

GenCore version 5.1.4.P5.4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 07:22:43 ; Search time 152 Seconds
(without alignments)
14650.296 Million cell updates/sec

Title: US-10-046-433-39
Perfect score: 3334
Sequence: 1 gcagagcagcagcagcagc.....attaataaaaaaaaaa 3334

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapept 1.0

Searched: 478924 seqs, 33395956 residues

Total number of hits satisfying chosen parameters: 957848

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications.NA:*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/FCI_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/FCIUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. NO. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3303.4	99.1	3501	US-10-028-072-37	Sequence 37, Appl
2	3303.4	99.1	3501	US-10-121-049-37	Sequence 37, Appl
3	3303.4	99.1	3501	US-10-123-504-37	Sequence 37, Appl
4	3303.4	99.1	3501	US-10-140-470-37	Sequence 37, Appl
5	3303.4	99.1	3501	US-10-175-746-37	Sequence 37, Appl
6	3303.4	99.1	3501	US-10-176-918-37	Sequence 37, Appl
7	3303.4	99.1	3501	US-10-137-865-37	Sequence 37, Appl
8	3303.4	99.1	3501	US-10-140-474-37	Sequence 37, Appl
9	3303.4	99.1	3501	US-10-142-431-37	Sequence 37, Appl
10	3303.4	99.1	3501	US-10-143-114-37	Sequence 37, Appl
11	3303.4	99.1	3501	US-10-140-002-37	Sequence 37, Appl
12	3303.4	99.1	3501	US-09-925-299-209	Sequence 209, App
13	551	16.5	625	US-10-002-050-19	Sequence 19, Appl
14	537.6	16.1	1737	US-10-002-304-19	Sequence 19, Appl
15	537.6	16.1	1737	US-10-003-152-19	Sequence 19, Appl
16	537.6	16.1	1737	US-09-736-457-913	Sequence 913, App
17	424.4	12.7	426	US-09-902-941-913	Sequence 913, App
18	424.4	12.7	426	US-09-902-941-913	Sequence 913, App
19	424.4	12.7	426	US-09-902-941-913	Sequence 913, App

20	424.4	12.7	426	US-09-849-626-913	Sequence 913, App
21	419.8	12.6	1508	US-10-002-050-9	Sequence 9, Appl
22	419.8	12.6	1508	US-10-002-304-9	Sequence 9, Appl
23	419.8	12.6	1508	US-10-003-152-9	Sequence 9, Appl
24	364	10.9	400	US-09-998-598-2567	Sequence 2567, Ap
25	284.4	8.5	466	US-09-815-343-754	Sequence 754, App
26	282.4	8.5	306	US-09-969-708-595	Sequence 595, App
27	263.4	7.9	265	US-09-736-457-864	Sequence 864, App
28	263.4	7.9	265	US-09-902-941-864	Sequence 864, App
29	263.4	7.9	265	US-09-849-626-864	Sequence 864, App
30	189.6	5.7	231	US-10-076-622-45	Sequence 45, Appl
31	189.6	5.7	231	US-09-604-287A-45	Sequence 45, Appl
32	189.6	5.7	231	US-09-339-338-45	Sequence 45, Appl
33	189.6	5.7	231	US-10-007-805-45	Sequence 45, Appl
34	130.8	3.9	160	US-10-076-622-44	Sequence 44, Appl
35	130.8	3.9	160	US-09-604-287A-44	Sequence 44, Appl
36	130.8	3.9	160	US-09-339-338-44	Sequence 44, Appl
37	130.8	3.9	160	US-10-007-805-44	Sequence 44, Appl
38	118.8	3.6	333	US-09-783-590-3589	Sequence 3589, Ap
39	110.8	3.3	432	US-09-960-352-5091	Sequence 5091, Ap
40	98.6	3.0	192	US-10-092-750-108	Sequence 108, App
41	92.8	2.8	96	US-10-092-750-189	Sequence 189, App
42	89	2.7	244	US-09-864-761-22945	Sequence 22945, A
43	76.6	2.3	371	US-09-864-761-6223	Sequence 6223, A
44	71.4	2.1	196	US-09-864-761-30975	Sequence 30975, A
45	71.4	2.1	457	US-09-864-761-14419	Sequence 14419, A

ALIGNMENTS

RESULT 1
US-10-028-072-37
Sequence 37, Application US/10028072
Publication No. US20030004311A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Mel-Oiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Collin K
APPLICANT: Wood, William
APPLICANT: Zhang
TITLE OR INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028, 072
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18

[illegible]

Db	856	CTCATTTGGAGAACCAAGAGCTTCTTCAGATGAGACCAAAATACCAAGCCTGTGCTGATG	915
Qy	841	AGAAACATTCGCATTAACAGGGGGGCGCTACCTTCAGATGCTTCCCTGCAAACTGGC	900
Db	916	AGAAACATTCGCATTAACAGGGGGGCGCTACCTTCAGATGCTTCCCTGCAAACTGGC	975
Qy	901	ACGATGAGACGACGAGGGGCTCCTCTTCTCGAATCTTTGGCCAGCCAACTCTATTATCA	960
Db	976	ACGATGAGACGACGAGGGGCTCCTCTTCTCGAATCTTTGGCCAGCCAACTCTATTATCA	1035
Qy	961	AATAAAGGAGAACTTCTTCGCACACAGTGTGACCTGACAAATATCTCAGAGAAAGATCT	1020
Db	1036	AATAAAGGAGAACTTCTTCGCACACAGTGTGACCTGACAAATATCTCAGAGAAAGATCT	1095
Qy	1021	TCTTCTCTGAACTGTCGCGCCAGCTTGGACACAAAGATATTATTCCTACACACAGCGCC	1080
Db	1096	TCTTCTCTGAACTGTCGCGCCAGCTTGGACACAAAGATATTATTCCTACACACAGCGCC	1155
Qy	1081	TGCGATGCCACGCGAGAGACACACTCATGTACAAATGGGCGCAAGCCGAAATCTGTAGC	1140
Db	1156	TGCGATGCCACGCGAGAGACACACTCATGTACAAATGGGCGCAAGCCGAAATCTGTAGC	1215
Qy	1141	GAGGACCTTGAGGGGGGCAAGTGAAGTGCCTGCTGCTGTGTGAAAGACCCACTGCCACCC	1200
Db	1216	GAGGACCTTGAGGGGGGCAAGTGAAGTGCCTGCTGCTGTGTGAAAGACCCACTGCCACCC	1275
Qy	1201	TGCAACCCAGGCTTCTTCAAACCAACAAAGACACCTGCCAGCCCTGCCATATGTGTC	1260
Db	1276	TGCAACCCAGGCTTCTTCAAACCAACAAAGACACCTGCCAGCCCTGCCATATGTGTC	1335
Qy	1261	TACCTCCAAATGGCTCAGACTGTATACCGGCTCCCTCGAGGAGCATGAAACCTGGCTGTGATTT	1320
Db	1336	TACCTCCAAATGGCTCAGACTGTATACCGGCTCCCTCGAGGAGCATGAAACCTGGCTGTGATTT	1395
Qy	1321	GAATTCAAATGTGTGAAACAGCGTGCCACAAACATGTGAAAGACGACGTTCTCAGTGGATC	1380
Db	1396	GAATTCAAATGTGTGAAACAGCGTGCCACAAACATGTGAAAGACGACGTTCTCAGTGGATC	1455
Qy	1381	AACCTTCAGATCAAGGGGCGATGACAGGCTGGAGGTGGCTGTGATTCACATTTACACAGCT	1440
Db	1456	AACCTTCAGATCAAGGGGCGATGACAGGCTGGAGGTGGCTGTGATTCACATTTACACAGCT	1515
Qy	1441	GCTGAGAGCTCAGACAAATGACTTATGATTCCTACCTCTGATTTGTGCCAGATTTAGACCT	1500
Db	1516	GCTGAGAGCTCAGACAAATGACTTATGATTCCTACCTCTGATTTGTGCCAGATTTAGACCT	1575
Qy	1501	CCGCAAGTCGGTATGAGCAGACACAGAAATTAAGAGGTGGCCAGATTCACATTTGCTTT	1560
Db	1576	CCGCAAGTCGGTATGAGCAGACACAGAAATTAAGAGGTGGCCAGATTCACATTTGCTTT	1635
Qy	1561	GAGACCTCTGTTTCTGTGAAGCTGAGCTCCTACTTCAATGTGGGTGTGAATTCACAGAAC	1620
Db	1636	GAGACCTCTGTTTCTGTGAAGCTGAGCTCCTACTTCAATGTGGGTGTGAATTCACAGAAC	1695
Qy	1621	AACACTCTGTGAGACGTGTGAAAGTTCCAAAGGCAACAGTCTTACTCTACATCATTT	1680
Db	1696	AACACTCTGTGAGACGTGTGAAAGTTCCAAAGGCAACAGTCTTACTCTACATCATTT	1755
Qy	1681	GAGGAGAAACCTACACAGAGCTTCACTCTGGGCTTCCAGAGACCACTTTTCATGAGGCA	1740
Db	1756	GAGGAGAAACCTACACAGAGCTTCACTCTGGGCTTCCAGAGACCACTTTTCATGAGGCA	1815
Qy	1741	AGCAGGAAGTACACCAATGACGTTGCCAAGATCTTACTCTGCATCATGTGCACCAATGTTATG	1800
Db	1816	AGCAGGAAGTACACCAATGACGTTGCCAAGATCTTACTCTGCATCATGTGCACCAATGTTATG	1875
Qy	1801	AATGGCGTGGCTCTACTACCTGCTGCCCTGTGCCCTAGAAAGCCTGATGTGGGCTCTCC	1860
Db	1876	AATGGCGTGGCTCTACTACCTGCTGCCCTGTGCCCTAGAAAGCCTGTGATGTGGGCTCTCC	1935
Qy	1861	TGCACCTTCTGCTGCTGTTACTATATTTGACCCAGATTTGAGGAACCTGGCACCTCTGCG	1920
Db	1936	TGCACCTTCTGCTGCTGTTACTATATTTGACCCAGATTTGAGGAACCTGGCACCTCTGCG	1995

[illegible]

sequence 3/, Application US/10121049
; Publication No. US20030022239A1
; GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Beresini Maurer

APPLICANT: DeForge, Laura

APPLICANT: Desnoyers, Luc

APPLICANT: Filvaroff, Ell

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerritsen, Mar

APPLICANT: Godowski, Paul

APPLICANT: Gurney, Austin

APPLICANT: Sherwood, Steve

APPLICANT: Smith, Victor.

APPLICANT: Stewart, Timot

APPLICANT: Watanabe, Daniel

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRET

TITLE OF INVENTION: ACIDS

CURRENT APPLICATION NUMBER: P3330R1C17

CURRENT FILING DATE: 2007

Prior Application rem

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 37
LENGTH: 3501

LENGTH: 3501
TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: unsure

LOCATION: 2762, 2778

OTHER INFORMATION: unknown

0-10-121-049-37

Query Match	00
-------------	----

Best Local Similarity 99.7

Matches 3321; Conservative

GCAGAGCGCAGCAGCCGCCAGC

76

...GCGAAGCAGCTGGCAGC

CCAGGCGGGCCTGGG

100

Db	1216	GAGGACCTTGAGGGGGCATATGAGCTGGCTGCTCTGGTGTGAAGACCCACGACGCCACACC	1275
OY	1201	TGCAAACCAGGCTTCTTCAAAACCAACAGACACTGCGACGCCCTGCCCATATGSGTTCC	1260
Db	1276	TGCAAACCAGGCTTCTTCAAAACCAACAGACACTGCGACGCCCTGCCCATATGSGTTCC	1335
OY	1261	TACTTCGAATGGCTCAGACTGTATACCCGCTGCCCTGCAGAGGACTGGAACCTGCTGGGGATT	1320
Db	1336	TACTTCGAATGGCTCAGACTGTATACCCGCTGCCCTGCAGAGGACTGGAACCTGCTGGGGATT	1395
OY	1321	GAAATCAAAATGGTGGAAACAGCTGCCCAAAACATGGAAGACCGTTTCAGGGGATC	1380
Db	1396	GAAATCAAAATGGTGGAAACAGCTGCCCAAAACATGGAAGACCGTTTCAGGGGATC	1455
OY	1381	AACCTTCGATACAAAGGCATGACAGCGTGGAGAGTGGCTGGTGAATCACATTATACAGCT	1440
Db	1456	AACCTTCGATACAAAGGCATGACAGCGTGGAGAGTGGCTGGTGAATCACATTATACAGCT	1515
OY	1441	GCTGGAGCCTCGAGCAATGATCTTATGATTCTCTCTGTTGTGTGCAGGATTTAGACCT	1500
Db	1516	GCTGGAGCCTCGAGCAATGATCTTATGATTCTCTCTGTTGTGTGCAGGATTTAGACCT	1575
OY	1501	CCGCACTGCTGATGCGACAGACAGAGATTAAGAGTGGCCAGAAATCAATTTGCTTT	1560
Db	1576	CCGCACTGCTGATGCGACAGACAGAGATTAAGAGTGGCCAGAAATCAATTTGCTTT	1635
OY	1561	GAGACCTCTGTTCTGTGAATCTGAGCTCTACTTCAATGGGGTGGATTCATAGAAC	1620
Db	1636	GAGACCTCTGTTCTGTGAATCTGAGCTCTACTTCAATGGGGTGGATTCATAGAAC	1695
OY	1621	AACACTCTGTGGAGAGACGTGGAAAGTTCAAAGGCAAAAGCTCTTACTCTACATCAT	1680
Db	1696	AACACTCTGTGGAGAGACGTGGAAAGTTCAAAGGCAAAAGCTCTTACTCTACATCAT	1755
OY	1681	GAGGAGAACTACACAGACTTCACTTGGGCTTCAGAGACACACTTTTCATGAGCA	1740
Db	1756	GAGGAGAACTACACAGACTTCACTTGGGCTTCAGAGACACACTTTTCATGAGCA	1815
OY	1741	AGCAGAGATGACCAATGAGCTTGCACCAAGATCTACTCCATCAATGTCACCAATGTTATG	1800
Db	1816	AGCAGAGATGACCAATGAGCTTGCACCAAGATCTACTCCATCAATGTCACCAATGTTATG	1875
OY	1801	AATGGGCTGCTCTACTGGCGTCCCTGGAGCCTAGAGACCTCTGATGGGCTCC	1860
Db	1876	AATGGGCTGCTCTACTGGCGTCCCTGGAGCCTAGAGACCTCTGATGGGCTCC	1935
OY	1861	TGCACCTCTGCTCTGCTGCTGTTACTATATGACCGAGATTGAGAACCTGCACCTCTGC	1920
Db	1936	TGCACCTCTGCTCTGCTGCTGTTACTATATGACCGAGATTGAGAACCTGCACCTCTGC	1995
OY	1921	CCCCCTAACCAATTCGAAAGCCACAGCGCTTATGGTGTCCAGGCCCTGTGGCCCTGT	1980
Db	1996	CCCCCTAACCAATTCGAAAGCCACAGCGCTTATGGTGTCCAGGCCCTGTGGCCCTGT	2055
OY	1981	GSTCAGAGACCAAGAACCAAGATCCACTCTGTGTCAATGATGATGACCTTCTCA	2040
Db	2056	GSTCAGAGACCAAGAACCAAGATCCACTCTGTGTCAATGATGATGACCTTCTCA	2115
OY	2041	CGCAACACTCCACAGSACTTCACTCAACTCTCGCTTGGCAAAACCGTCACT	2100
Db	2116	CGCAACACTCCACAGSACTTCACTCAACTCTCGCTTGGCAAAACCGTCACT	2175
OY	2101	CTTGGTGGAGGCCAAGCTTCACTTCCAAAGGTTGAATTAATCTTCATCACTTACCTC	2160
Db	2176	CTTGGTGGAGGCCAAGCTTCACTTCCAAAGGTTGAATTAATCTTCATCACTTACCTC	2235
OY	2161	AGCTCTGTGGAAACAGAGGTAGGAAATGTCTGTGCAACGCAAAATGCTACTACCTC	2220
Db	2236	AGCTCTGTGGAAACAGAGGTAGGAAATGTCTGTGCAACGCAAAATGCTACTACCTC	2295
OY	2221	CGGATTCCTGAGGGTGAGTCAAGGGTTCCCAATCTTTCACAGCTAGCTCTGCCAGGCA	2280
Db	2296	CGGATTCCTGAGGGTGAGTCAAGGGTTCCCAATCTTTCACAGCTAGCTCTGCCAGGCA	2355


```

OY 2281 GTATCATATCCCGAGAGTGAGCTACAGCCGGGGTTTCTTACAGCCTGACG 2340
DB 2356 GTATCATATCCCGAGAGTGAGCTACAGCCGGGGTTTCTTACAGCCTGACG 2415
OY 2341 CTGCTGATGACCTTATTTGGGGTGACACAGATATGACTGTGATGAGTAATACCTCCCA 2400
DB 2416 CTGCTGATGACCTTATTTGGGGTGACACAGATATGACTGTGATGAGTAATACCTCCCA 2475
OY 2401 GCTGACCTTTCCACCTGAGAGTCTTGGGAAATACCGAGCTGATCTTTTATAGTCC 2460
DB 2476 GCTGACCTTTCCACCTGAGAGTCTTGGGAAATACCGAGCTGATCTTTTATAGTCC 2535
OY 2461 AATGATGAGCCAGTCTGACAGTCTGAGATCAACACATCCGGTACAGTGCAGT 2520
DB 2536 AATGATGAGCCAGTCTGACAGTCTGAGATCAACACATCCGGTACAGTGCAGT 2595
OY 2521 CCACAGAAAACCTGCTCCCTGGAAGTTTGGCTGCGCAGAGACGTCTGATGAGGACCTGT 2580
DB 2596 CCACAGAAAACCTGCTCCCTGGAAGTTTGGCTGCGCAGAGACGTCTGATGAGGACCTGT 2655
OY 2581 GATGGCTGCAACTTCCACTTCTCTGTGGAGAGACCGGCTGCTGGCCGCTGCTGCTAGTG 2640
DB 2656 GATGGCTGCAACTTCCACTTCTCTGTGGAGAGACCGGCTGCTGGCCGCTGCTGCTAGTG 2715
OY 2641 GCTGACTACCAATGCTATGCTGAGAGCTGATGAGTGGGAGTCCAGAGACTTACGTG 2700
DB 2716 GCTGACTACCAATGCTATGCTGAGAGCTGATGAGTGGGAGTCCAGAGACTTACGTG 2775
OY 2701 TGGGAGAACCCAGCAATCTCTGCTGGGCAATTTCTCTGCTGAGAGAGATGACCAATC 2760
DB 2776 TGGGAGAACCCAGCAATCTCTGCTGGGCAATTTCTCTGCTGAGAGAGATGACCAATC 2835
OY 2761 TGGCAAAACCAATGATTTCTGGGCAATTTCTGGGCAATTTCTGGGCAATTTCTGGGCAATC 2820
DB 2836 TGGCAAAACCAATGATTTCTGGGCAATTTCTGGGCAATTTCTGGGCAATTTCTGGGCAATC 2895
OY 2821 CTGCTACCTGCTTGAACCTGCTTGAACCTTGAACCTTGAACCTTGAACCTTGAACCTG 2880
DB 2896 CTGCTACCTGCTTGAACCTGCTTGAACCTTGAACCTTGAACCTTGAACCTTGAACCTG 2955
OY 2881 TCGAAGCTGCTGATGATCTGATCTGATGATCTGATGATCTGATGATCTGATGATCTG 2940
DB 2956 TCGAAGCTGCTGATGATCTGATCTGATGATCTGATGATCTGATGATCTGATGATCTG 3015
OY 2941 GCCATCATGAGAGGAGGAGTGTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3059
DB 3016 GCCATCATGAGAGGAGGAGTGTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3075
OY 3000 TTTGGGAAGATCAATCTTATCTTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3135
DB 3060 TTTGGGAAGATCAATCTTATCTTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3195
OY 3120 GCCCTCCAGCTTGCATAGACCTTGTGAAGCTGCGGAGATTTGGGGCCAGAGATCTG 3179
DB 3196 GCCCTCCAGCTTGCATAGACCTTGTGAAGCTGCGGAGATTTGGGGCCAGAGATCTG 3255
OY 3180 CAACACCCACTGCTGGAATCTCTTCAATTTGGGCTTATGAGATTTGAAATTTGAGATC 3239
DB 3256 CAACACCCACTGCTGGAATCTCTTCAATTTGGGCTTATGAGATTTGAAATTTGAGATC 3315
OY 3240 TTTTATATAGAGTACCAAAACCTCTTCTGCTGCTCAAAACCTGCAATATATACC 3299
DB 3316 TTTTATATAGAGTACCAAAACCTCTTCTGCTGCTCAAAACCTGCAATATATACC 3375
OY 3300 ACATCTTGTGTTTAAATTTAAAAA 3334
DB 3376 ACATCTTGTGTTTAAATTTAAAAA 3410

```

```

RESULT 3
US-10-123-904-37
; Sequence 37, Application US/10123904
; Publication No. US20030022328A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C54
; CURRENT APPLICATION NUMBER: US/10/123,904
; PRIOR APPLICATION: 2002-04-16
; NUMBER OF SEQ ID NOS: 550
; LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
; OTHER INFORMATION: unknown base
US-10-123-904-37

Query Match          99.1%; Score 3303.4; DB 9; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

OY 1 GCAGAGACGAGAGCCGACACCTGAGCCGCTACTGCGCTCACTAGAGCAACGCTAG 60
DB 76 GCAGAGACGAGAGCCGACACCTGAGCCGCTACTGCGCTCACTAGAGCAACGCTAG 135
OY 61 GCTGAGCTGGGACACAGCCACCATCTCCGCGAGAGTCAAGGAGAACTGAGAGGCG 120
DB 136 GCTGAGCTGGGACACAGCCACCATCTCCGCGAGAGTCAAGGAGAACTGAGAGGCG 195
OY 121 ATACCCGGCTGGGCGGCTGCTGCTGAGGCTGGAGACGCGCTTCAGGTGACCGAG 180
DB 196 ATACCCGGCTGGGCGGCTGCTGCTGAGGCTGGAGACGCGCTTCAGGTGACCGAG 255
OY 181 ACGGACCGAGGCTTCAAGCCTGCAAAAGAGTGTGATACCTATGATGATGATGATG 240
DB 256 ACGGACCGAGGCTTCAAGCCTGCAAAAGAGTGTGATACCTATGATGATGATGATG 315
OY 241 GACAGACGAGGCTTCAGGTGAGGAGTGTGCGGATATACCCGCGGCTGTGACAGG 300
DB 316 GACAGACGAGGCTTCAGGTGAGGAGTGTGCGGATATACCCGCGGCTGTGACAGG 375
OY 301 CTGCTTACCCGCTCAAGGACACAGTGTCTCTTCTGTCAGACGCGGAGATTTCTG 360
DB 376 CTGCTTACCCGCTCAAGGACACAGTGTCTCTTCTGTCAGACGCGGAGATTTCTG 435
OY 361 GATATGAGAGACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 420
DB 436 GATATGAGAGACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 495
OY 421 ATTGGTTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 480

```

|||||
496 ATTGGCTTGAATGATGGATGAGCTCCCATGGCTTCCAGCCCTCCACCAACATG 555
OY 481 GAGCTGATGACAGTGGCTGAGTCCACCGGGAATGATCTTGGTCCAAAGTGGTTCCC 540
DB 556 GAGCTGATGACAGTGGCTGAGTCCACCGGGAATGATCTTGGTCCAAAGTGGTTCCC 615
OY 541 CGGGGAGTACATGCTTCAACAGGAGCAATGACAGCAACAGTATGATGCGCCGTC 600
DB 616 CGGGGAGTACATGCTTCAACAGGAGCAATGACAGCAACAGTATGATGCGCCGTC 675
OY 601 AACCTGAGCAATGCTGGGACCGCTTAATCTGAAATCTACTATCCAGACTCCAGCATC 660
DB 676 AACCTGAGCAATGCTGGGACCGCTTAATCTGAAATCTACTATCCAGACTCCAGCATC 735
OY 661 TTGAGTTTTTCTGAGAAATGACAGTCCAGCCCATGAGATGATGATGAGTGGATG 720
DB 736 TTGAGTTTTTCTGAGAAATGACAGTCCAGCCCATGAGATGATGATGAGTGGATG 795
OY 721 AAGACACAGAAAGGATGGAATTCACAGTGGAGCTAAATCGAGGCAATTAATGTC 780
DB 796 AAGACACAGAAAGGATGGAATTCACAGTGGAGCTAAATCGAGGCAATTAATGTC 855
OY 781 CTCTATTGGAGAACACAGCTTCTCAGTATGAGCAAAAGTACCCAAAGCTGTGCTG 840
DB 856 CTCTATTGGAGAACACAGCTTCTCAGTATGAGCAAAAGTACCCAAAGCTGTGCTG 915
OY 841 AAGAACTTTGCAATTAACAGGAGGCTTACACTTCAGAAATCTTCCCTGCAAACTGT 900
DB 916 AAGAACTTTGCAATTAACAGGAGGCTTACACTTCAGAAATCTTCCCTGCAAACTGT 975
OY 901 AGTATGACAGAACAGAGGCTCTCTTCTTGCMAAATTTGGCCAGCAACTTATATCA 960
DB 976 AGTATGACAGAACAGAGGCTCTCTTCTTGCMAAATTTGGCCAGCAACTTATATCA 1035
OY 961 AATTAAGGAAAGCTTCTTGGCCAGAGTGTGACCTGCAAAATCTAGAGAAAGATCT 1020
DB 1036 AATTAAGGAAAGCTTCTTGGCCAGAGTGTGACCTGCAAAATCTAGAGAAAGATCT 1095
OY 1021 TCTTCTGTAACGTGCGCCAGCTTGCACAGCAAAAGTATTTCTACACACACGCGC 1080
DB 1096 TCTTCTGTAACGTGCGCCAGCTTGCACAGCAAAAGTATTTCTACACACACGCGC 1155
OY 1081 TGGCATGCGCAAGGAGAGACAACTCATGTACAAATGGGCCAAGCCGAAATCTGTAGC 1140
DB 1156 TGGCATGCGCAAGGAGAGACAACTCATGTACAAATGGGCCAAGCCGAAATCTGTAGC 1215
OY 1141 GAGGACCTTGAAGGGGACGTGAAGCTGCGCTGCTGTGTAAGAACCCACTGCGCACCC 1200
DB 1216 GAGGACCTTGAAGGGGACGTGAAGCTGCGCTGCTGTGTAAGAACCCACTGCGCACCC 1275
OY 1201 TGCACCCAGGCTTCTTCAAAAACCAACACAGACCTGCCAGCCCTGCCATATGCTTCC 1260
DB 1276 TGCACCCAGGCTTCTTCAAAAACCAACACAGACCTGCCAGCCCTGCCATATGCTTCC 1335
OY 1261 TACTCCATGCTCAGACTGTACCCGCTGCCCTGAGGAGCTGAACCTGCTGTGGATTT 1320
DB 1336 TACTCCATGCTCAGACTGTACCCGCTGCCCTGAGGAGCTGAACCTGCTGTGGATTT 1395
OY 1321 GAATTAACAATGGTGAAGACAGCTGCGCCACAAACATGGAAGAGACCGTTCATGTGGATC 1380
DB 1396 GAATTAACAATGGTGAAGACAGCTGCGCCACAAACATGGAAGAGACCGTTCATGTGGATC 1455
OY 1381 AACTTGAGTACAAAGGCTGACAGGCTGGGAGTGGTGTGATCAATTTACAGCT 1440
DB 1456 AACTTGAGTACAAAGGCTGACAGGCTGGGAGTGGTGTGATCAATTTACAGCT 1515
OY 1441 GCTGAGCTCAGACAAATGATCATGATTTCACTCTGTTGTGGCCAGATTTAGACT 1500
DB 1516 GCTGAGCTCAGACAAATGATCATGATTTCACTCTGTTGTGGCCAGATTTAGACT 1575
OY 1501 CCGAGTGGTGAATGAGACACAGAAATTAAGAGTGGCCAGATCATTTGTCTTT 1560

DB 1576 CCGAGTGGTGAATGAGACACAGAAATTAAGAGTGGCCAGAAATCAATTTGTCTTT 1635
OY 1561 GAGACCTCTGTTCTGTGAATCTGAGCTCACTTCAATGGTGGTGTGAATTTAGGACC 1620
DB 1636 GAGACCTCTGTTCTGTGAATCTGAGCTCACTTCAATGGTGGTGTGAATTTAGGACC 1695
OY 1621 AACACTCTGTGAGACAGTGGAAAGTTTCCAAAGGCAAAAGTCTTATACATATAT 1680
DB 1696 AACACTCTGTGAGACAGTGGAAAGTTTCCAAAGGCAAAAGTCTTATACATATAT 1755
OY 1681 GAGGAGAACTACACAGAGCTTCACTGGGCTTCCAGAGAGACACTTTTATGAGGCA 1740
DB 1756 GAGGAGAACTACACAGAGCTTCACTGGGCTTCCAGAGAGACACTTTTATGAGGCA 1815
OY 1741 AGCAGAAATGACCAATGAGCTTGGCAAGATCTACTCCATCAATGACCAATGTTATG 1800
DB 1816 AGCAGAAATGACCAATGAGCTTGGCAAGATCTACTCCATCAATGACCAATGTTATG 1875
OY 1801 AATGAGCTGGCTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1860
DB 1876 AATGAGCTGGCTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1935
OY 1861 TGCACCTCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1920
DB 1936 TGCACCTCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1995
OY 1921 CCCCCCTAACAAATTTCTAAGCCCAACAGCTTATGATGCTGCAAGGCTGTGCTGCTGT 1980
DB 1996 CCCCCCTAACAAATTTCTAAGCCCAACAGCTTATGATGCTGCAAGGCTGTGCTGCTGT 2055
OY 1981 GGTCCAGGAGCCAAAGAAACAAAGATCCAGTCTGTGCTCAATGATGACACTTCTCA 2040
DB 2056 GGTCCAGGAGCCAAAGAAACAAAGATCCAGTCTGTGCTCAATGATGACACTTCTCA 2115
OY 2041 CGCAACCTCACAACAGAGCTTCAATCAATCTTCCGCTTGGGCAAAACAGCTCACT 2100
DB 2116 CGCAACCTCACAACAGAGCTTCAATCAATCTTCCGCTTGGGCAAAACAGCTCACT 2175
OY 2101 CTTCCTGAGGAGCCCAAGCTTCACTTCAAAAGGTTGAAATTAATCTTCACTTACCTTC 2160
DB 2176 CTTCCTGAGGAGCCCAAGCTTCACTTCAAAAGGTTGAAATTAATCTTCACTTACCTTC 2235
OY 2161 AGTCTCTGTGAAACAGAGGTAAGAAATCTCTGTGACAGGACATGTCAGTACCTC 2220
DB 2236 AGTCTCTGTGAAACAGAGGTAAGAAATCTCTGTGACAGGACATGTCAGTACCTC 2295
OY 2221 CGGATTCCTGAGGAGTGAAGTCTTCCAAATCTATCAAGCTTACCTGCCAGGCA 2280
DB 2296 CGGATTCCTGAGGAGTGAAGTCTTCCAAATCTATCAAGCTTACCTGCCAGGCA 2355
OY 2281 GTTCATCATCCCCCAGAGGTGACAGGCTTCAAGGCGGGGTTTCTCACAGCTGTCAAGC 2340
DB 2356 GTTCATCATCCCCCAGAGGTGACAGGCTTCAAGGCGGGGTTTCTCACAGCTGTCAAGC 2415
OY 2341 CTTCGCTGATGACTTATGGGTGACAAAGATGATGATGATGATGATGATGATGATGATGAT 2400
DB 2416 CTTCGCTGATGACTTATGGGTGACAAAGATGATGATGATGATGATGATGATGATGATGAT 2475
OY 2401 GCTGAACCTTTTCCACCTGAGTCTTGGGAATACCGGAGCTGATCTTTTATAGTTC 2460
DB 2476 GCTGAACCTTTTCCACCTGAGTCTTGGGAATACCGGAGCTGATCTTTTATAGTTC 2535
OY 2461 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2520
DB 2536 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2595
OY 2521 CCACAGAAACTGTCTCTGGAAGTCTTGGCCAGAACTGTCTAGATGAGGAGCTGT 2580
DB 2596 CCACAGAAACTGTCTCTGGAAGTCTTGGCCAGAACTGTCTAGATGAGGAGCTGT 2655
OY 2581 GATGCTGCAACTTCACTTCTGTTGGAGAGCGGCTGCTTGGCCGCTGCTGCTGCTGCTGCT 2640
DB 2656 GATGCTGCAACTTCACTTCTGTTGGAGAGCGGCTGCTTGGCCGCTGCTGCTGCTGCTGCT 2715

```

; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C1A60
; CURRENT APPLICATION NUMBER: US/10/140,470
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 37
;
; LENGTH: 3501
;
; TYPE: DNA
;
; ORGANISM: Homo Sapien
;
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
;
; OTHER INFORMATION: unknown base
US-10-140-470-37

```

Query Match	99.1%;	Score 3303.4;	DB 9;	Length 3501;
Best Local Similarity	99.6%;	Pred. No. 0;		
Matches 3321; Conservative	0;	Mismatches	13	

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523
--	--	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Db	856	CTCTTTTGGAAACCCACAGCCTTCTCAGATATGACCAAAAGTACCAGCTGTGGTGG	915
Oy	841	AGAAACATATGGCATPACAGGGGTGGCTTACATTTGAGAAATGCTTCCCTGCAAACTGGC	900
Db	916	AGAAACATATGGCATPACAGGGGTGGCTTACATTTGAGAAATGCTTCCCTGCAAACTGGC	975
Oy	901	ACGTATGCGAGACAACAGGGCTCCTCTTTCTGCAAACTTTGGCCAGCAACTCTTTTCA	960
Db	976	ACGTATGCGAGACAACAGGGCTCCTCTTTCTGCAAACTTTGGCCAGCAACTCTTTTCA	1035
Oy	961	AATTAAGAGAAACTTTTGGCACACAGTGTACCTTGACAAATACTCGAAGAAAGATCT	1020
Db	1036	AATTAAGAGAAACTTTTGGCACACAGTGTACCTTGACAAATACTCGAAGAAAGATCT	1095
Oy	1021	TCTTCCTGTAAACGTGGCCACGCTTGGCACACAAAGTATTTTCTACACACAGGGCC	1080
Db	1096	TCTTCCTGTAAACGTGGCCACGCTTGGCACACAAAGTATTTTCTACACACAGGGCC	1155
Oy	1081	TGCGATGGCCAGAGAGACAACTCATGTACAAATGGGGCAAGCCGAAATCTTATAC	1140
Db	1156	TGCGATGGCCAGAGAGACAACTCATGTACAAATGGGGCAAGCCGAAATCTTATAC	1215
Oy	1141	GAGGACCTTGAAGGGGGAGTGAACCTCCCTGCTGTGTGAAGACCCACTGCCACCC	1200
Db	1216	GAGGACCTTGAAGGGGGAGTGAACCTCCCTGCTGTGTGAAGACCCACTGCCACCC	1275
Oy	1201	TGCAACCCAGGCTTCTTCAAAAACCAACAGACCTTGCACCCCTGCCATATGGTTCC	1260
Db	1276	TGCAACCCAGGCTTCTTCAAAAACCAACAGACCTTGCACCCCTGCCATATGGTTCC	1335
Oy	1261	TACATCCATAGGCTCAGACGTGTACCCGCTGGCCCTCAGAGGACTGAACTGTGTGGATTT	1320
Db	1336	TACATCCATAGGCTCAGACGTGTACCCGCTGGCCCTCAGAGGACTGAACTGTGTGGATTT	1395
Oy	1321	GAAATCAAAATGTTGGAACACGCTGCCCCAACAACATGGAAGACACCGTTCTCACTGGGATC	1380
Db	1396	GAAATCAAAATGTTGGAACACGCTGCCCCAACAACATGGAAGACACCGTTCTCACTGGGATC	1455
Oy	1381	AACTTCGAATACAAAGGGCATACAGGCTGGAGGTGCTGCTGTATACATTTACACAGCT	1440
Db	1456	AACTTCGAATACAAAGGGCATACAGGCTGGAGGTGCTGCTGTATACATTTACACAGCT	1515
Oy	1441	GCTGAGACCTCAGACATGATCTTCATATTTCTCACTCTGTTTGCAGATTTAGACCT	1500
Db	1516	GCTGAGACCTCAGACATGATCTTCATATTTCTCACTCTGTTTGCAGATTTAGACCT	1575
Oy	1501	CCGAGTCGGTGTATGGCAGACACAGAAATTAAGAGTGGCCAGATCCATATTTGCTTT	1560
Db	1576	CCGAGTCGGTGTATGGCAGACACAGAAATTAAGAGTGGCCAGATCCATATTTGCTTT	1635
Oy	1561	GAGACCCCTTCCTTCTGTAACCTGTGACTTACTTTCATGGTGGGTGTGAATTTCTAGAGCC	1620
Db	1636	GAGACCCCTTCCTTCTGTAACCTGTGACTTACTTTCATGGTGGGTGTGAATTTCTAGAGCC	1695
Oy	1621	AACACTCTGTGTGAGACGTGGAAGGTTCACAAAGGCAAAAGTCTTAACTTACATCATTT	1680
Db	1696	AACACTCTGTGTGAGACGTGGAAGGTTCACAAAGGCAAAAGTCTTAACTTACATCATTT	1755
Oy	1681	GAGAGAAACACTACAGAGCTTCACTGGGGCTTCAAGAGACCACTTTTCAATGAGGCA	1740
Db	1756	GAGAGAAACACTACAGAGCTTCACTGGGGCTTCAAGAGACCACTTTTCAATGAGGCA	1815
Oy	1741	AGCAGGAAGTACACAAATGACGTTTGCACAAATCTACTCCATCATATGTACCAATGTTATG	1800
Db	1816	AGCAGGAAGTACACAAATGACGTTTGCACAAATCTACTCCATCATATGTACCAATGTTATG	1875
Oy	1801	AATGCGTGGCTCTTACTGCTCCCTGCTGTGCTTGAAGCCCTTATGTGGGCTCTCC	1860
Db	1876	AATGCGTGGCTCTTACTGCTCCCTGCTGTGCTTGAAGCCCTTATGTGGGCTCTCC	1935
Oy	1861	TGACACTCTTGTCTGCTGCTTACTATTTGACCGAGATTCAGAACCTTCCACATCTTCC	1920

[illegible]

US 10-175-146-37
; Sequence 37, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION:

```

1 / APPLICANT: Baker, Kevin P.
2 / APPLICANT: Beresini, Maureen
3 / APPLICANT: DeForge, Laura
4 / APPLICANT: Desnoyers, Luc
5 / APPLICANT: Filvaroff, Ellen
6 / APPLICANT: Gao, Mei-Qiang
7 / APPLICANT: Gertlisen, Mary E.
8 / APPLICANT: Goddard, Audrey
9 / APPLICANT: Godowski, Paul J.
10 / APPLICANT: Gurney, Austin L.
11 / APPLICANT: Sherwood, Steven
12 / APPLICANT: Smith, Victoria
13 / APPLICANT: Stewart, Timothy A.
14 / APPLICANT: Tunas, Daniel
15 / APPLICANT: Watanabe, Colin K
16 / APPLICANT: Wood, William
17 / TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
18 / FILE REFERENCE: ACIDS ENCODING THE SAME
19 / CURRENT APPLICATION NUMBER: P33091033
20 / CURRENT FILING DATE: US/10/175,746
21 / Prior Application removed: 2002-06-19
22 / NUMBER OF SEQ ID NOS: 550
23 / SEQ ID NO 37
24 /
25 /
26 /
27 /
28 /
29 /
30 /
31 /
32 /
33 /
34 /
35 /
36 /
37 /
38 /
39 /
40 /
41 /
42 /
43 /
44 /
45 /
46 /
47 /
48 /
49 /
50 /
51 /
52 /
53 /
54 /
55 /
56 /
57 /
58 /
59 /
60 /
61 /
62 /
63 /
64 /
65 /
66 /
67 /
68 /
69 /
70 /
71 /
72 /
73 /
74 /
75 /
76 /
77 /
78 /
79 /
80 /
81 /
82 /
83 /
84 /
85 /
86 /
87 /
88 /
89 /
90 /
91 /
92 /
93 /
94 /
95 /
96 /
97 /
98 /
99 /
100 /
101 /
102 /
103 /
104 /
105 /
106 /
107 /
108 /
109 /
110 /
111 /
112 /
113 /
114 /
115 /
116 /
117 /
118 /
119 /
120 /
121 /
122 /
123 /
124 /
125 /
126 /
127 /
128 /
129 /
130 /
131 /
132 /
133 /
134 /
135 /
136 /
137 /
138 /
139 /
140 /
141 /
142 /
143 /
144 /
145 /
146 /
147 /
148 /
149 /
150 /
151 /
152 /
153 /
154 /
155 /
156 /
157 /
158 /
159 /
160 /
161 /
162 /
163 /
164 /
165 /
166 /
167 /
168 /
169 /
170 /
171 /
172 /
173 /
174 /
175 /
176 /
177 /
178 /
179 /
180 /
181 /
182 /
183 /
184 /
185 /
186 /
187 /
188 /
189 /
190 /
191 /
192 /
193 /
194 /
195 /
196 /
197 /
198 /
199 /
200 /
201 /
202 /
203 /
204 /
205 /
206 /
207 /
208 /
209 /
210 /
211 /
212 /
213 /
214 /
215 /
216 /
217 /
218 /
219 /
220 /
221 /
222 /
223 /
224 /
225 /
226 /
227 /
228 /
229 /
230 /
231 /
232 /
233 /
234 /
235 /
236 /
237 /
238 /
239 /
240 /
241 /
242 /
243 /
244 /
245 /
246 /
247 /
248 /
249 /
250 /
251 /
252 /
253 /
254 /
255 /
256 /
257 /
258 /
259 /
260 /
261 /
262 /
263 /
264 /
265 /
266 /
267 /
268 /
269 /
270 /
271 /
272 /
273 /
274 /
275 /
276 /
277 /
278 /
279 /
280 /
281 /
282 /
283 /
284 /
285 /
286 /
287 /
288 /
289 /
290 /
291 /
292 /
293 /
294 /
295 /
296 /
297 /
298 /
299 /
300 /
301 /
302 /
303 /
304 /
305 /
306 /
307 /
308 /
309 /
310 /
311 /
312 /
313 /
314 /
315 /
316 /
317 /
318 /
319 /
320 /
321 /
322 /
323 /
324 /
325 /
326 /
327 /
328 /
329 /
330 /
331 /
332 /
333 /
334 /
335 /
336 /
337 /
338 /
339 /
340 /
341 /
342 /
343 /
344 /
345 /
346 /
347 /
348 /
349 /
350 /
351 /
352 /
353 /
354 /
355 /
356 /
357 /
358 /
359 /
360 /
361 /
362 /
363 /
364 /
365 /
366 /
367 /
368 /
369 /
370 /
371 /
372 /
373 /
374 /
375 /
376 /
377 /
378 /
379 /
380 /
381 /
382 /
383 /
384 /
385 /
386 /
387 /
388 /
389 /
390 /
391 /
392 /
393 /
394 /
395 /
396 /
397 /
398 /
399 /
400 /
401 /
402 /
403 /
404 /
405 /
406 /
407 /
408 /
409 /
410 /
411 /
412 /
413 /
414 /
415 /
416 /
417 /
418 /
419 /
420 /
421 /
422 /
423 /
424 /
425 /
426 /
427 /
428 /
429 /
430 /
431 /
432 /
433 /
434 /
435 /
436 /
437 /
438 /
439 /
440 /
441 /
442 /
443 /
444 /
445 /
446 /
447 /
448 /
449 /
450 /
451 /
452 /
453 /
454 /
455 /
456 /
457 /
458 /
459 /
460 /
461 /
462 /
463 /
464 /
465 /
466 /
467 /
468 /
469 /
470 /
471 /
472 /
473 /
474 /
475 /
476 /
477 /
478 /
479 /
480 /
481 /
482 /
483 /
484 /
485 /
486 /
487 /
488 /
489 /
490 /
491 /
492 /
493 /
494 /
495 /
496 /
497 /
498 /
499 /
500 /
501 /
502 /
503 /
504 /
505 /
506 /
507 /
508 /
509 /
510 /
511 /
512 /
513 /
514 /
515 /
516 /
517 /
518 /
519 /
520 /
521 /
522 /
523 /
524 /
525 /
526 /
527 /
528 /
529 /
530 /
531 /
532 /
533 /
534 /
535 /
536 /
537 /
538 /
539 /
540 /
541 /
542 /
543 /
544 /
545 /
546 /
547 /
548 /
549 /
550 /
551 /
552 /
553 /
554 /
555 /
556 /
557 /
558 /
559 /
560 /
561 /
562 /
563 /
564 /
565 /
566 /
567 /
568 /
569 /
570 /
571 /
572 /
573 /
574 /
575 /
576 /
577 /
578 /
579 /
580 /
581 /
582 /
583 /
584 /
585 /
586 /
587 /
588 /
589 /
590 /
591 /
592 /
593 /
594 /
595 /
596 /
597 /
598 /
599 /
600 /
601 /
602 /
603 /
604 /
605 /
606 /
607 /
608 /
609 /
610 /
611 /
612 /
613 /
614 /
615 /
616 /
617 /
618 /
619 /
620 /
621 /
622 /
623 /
624 /
625 /
626 /
627 /
628 /
629 /
630 /
631 /
632 /
633 /
634 /
635 /
636 /
637 /
638 /
639 /
640 /
641 /
642 /
643 /
644 /
645 /
646 /
647 /
648 /
649 /
650 /
651 /
652 /
653 /
654 /
655 /
656 /
657 /
658 /
659 /
660 /
661 /
662 /
663 /
664 /
665 /
666 /
667 /
668 /
669 /
670 /
671 /
672 /
673 /
674 /
675 /
676 /
677 /
678 /
679 /
680 /
681 /
682 /
683 /
684 /
685 /
686 /
687 /
688 /
689 /
690 /
691 /
692 /
693 /
694 /
695 /
696 /
697 /
698 /
699 /
700 /
701 /
702 /
703 /
704 /
705 /
706 /
707 /
708 /
709 /
710 /
711 /
712 /
713 /
714 /
715 /
716 /
717 /
718 /
719 /
720 /
721 /
722 /
723 /
724 /
725 /
726 /
727 /
728 /
729 /
730 /
731 /
732 /
733 /
734 /
735 /
736 /
737 /
738 /
739 /
740 /
741 /
742 /
743 /
744 /
745 /
746 /
747 /
748 /
749 /
750 /
751 /
752 /
753 /
754 /
755 /
756 /
757 /
758 /
759 /
760 /
761 /
762 /
763 /
764 /
765 /
766 /
767 /
768 /
769 /
770 /
771 /
772 /
773 /
774 /
775 /
776 /
777 /
778 /
779 /
780 /
781 /
782 /
783 /
784 /
785 /
786 /
787 /
788 /
789 /
790 /
791 /
792 /

```

```

1  LENGTH: 3501
2  TYPE: DNA
3  ORGANISM: Homo Sapien
4  FEATURE:
5  NAME/KEY: unsure
6  LOCATION: 2762.. 2778
7  OTHER INFORMATION: unknown base
8  OS-10-175..746-37

```

Query Match	99.18;	Score 3303.4;	DB 9;	Length 3501;
Best Local Similarity	99.68;			
Matches 3321; Conservativeness	Pred. No. 0;			

[illegible]

Qy	01	GCTAGCCTTGGGCACAGCCACCATTCTCCGCCACAGATCAGGGGAAAGAACTGAGAGCGC	120
Db	136	GCTGAGCCTGGGCACAGCCACCATTCTCCGCCACAGATCAGGAAAGAACTGAGAGCGC	120
Qy	121	ATACCCCGGCTGTGGGGGCTGCTCTTGGGCGTGGAGACCGCTTCCAGGTACCAGGA	195
Db	196	ATACCCCGGCTGTGGGGGCTGCTCTTGGGCGTGGAGACCGCTTCCAGGTACCAGGA	180
Qy	181	ACGGACCGGAGCTTCAAGCCCTGCAGAAAGTGTGATACCTATGATACAGCGGCT	255
Db	256	ACGGACCGGAGCTTCAAGCCCTGCAGAAAGTGTGATACCTATGATACAGCGGCT	240
Qy	241	GACACACGGGTTCCAGGTGGAAGGTCGGCGCATATCCCGGGGCTGTGACCAAGC	315
Db	316	GACACACGGGTTCCAGGTGGAAGGTCGGCGCATATCCCGGGGCTGTGACCAAGC	300
Qy	301	CTGCCTGACCCGCTCAAGGGGACCGAGTGTCTTCTTCCGCAAGCGGGGAGTTTCTG	375
Db	376	CTGCTGACCCGCTCAAGGGGACCGAGTGTCTTCTTCCGCAAGCGGGGAGTTTCTG	360
Qy	361	GATATGAGGACCAAGTATGTATAGCCATGCGGTGAGAGGCGCTACTTCCCTGGCACAGC	435
Db	436	GATATGAGGACCAAGTATGTATAGCCATGCGGTGAGAGGCGCTACTTCCCTGGCACAGC	420
Qy	421	ATTGCGTTTGATGATGATGGGATGAGTGGCCCATGCGCTTTGGCAGCCTCTGAGCAACATG	495
Db	496	ATTGCGTTTGATGATGATGGGATGAGTGGCCCATGCGCTTTGGCAGCCTCTGAGCAACATG	480
Qy	481	GAGCTGATGATGACATGCTGCTGTGATGTCACACGGGAACTGTACTTGTGCAAGTGGTCCC	555
Db	556	GAGCTGATGATGACATGCTGCTGTGATGTCACACGGGAACTGTACTTGTGCAAGTGGTCCC	540
Qy	541	CGGGGCGACATACATGCGCTTCAACACGGAGCAATGACACAGCACTGATGTAGCCGTC	615
Db	616	CGGGGCGACATACATGCGCTTCAACACGGAGCAATGACACAGCACTGATGTAGCCGTC	600
Qy	601	AACCTGAAGCAATCTGACACGGTTAACTTGGATTACTATATCAGAGTCCAGATATC	675
Db	676	AACCTGAAGCAATCTGACACGGTTAACTTGGATTACTATATCAGAGTCCAGATATC	660
Qy	661	TTTGATTTTTCGTCGAAATGACCAAGTGCAGCCCAATGACAGTACAGTCCAGATATC	735
Db	736	TTTGATTTTTCGTCGAAATGACCAAGTGCAGCCCAATGACAGTACAGTCCAGATATC	720
Qy	721	AAGACCACAGAGAAAGATGGAAATTCACAGTGGAGCTAAATGAGGACAATAATGTC	795
Db	796	AAGACCACAGAGAAAGATGGAAATTCACAGTGGAGCTAAATGAGGACAATAATGTC	780
Qy	781	CTCTATTGGAGAACCAAGCCTTCTCAATATGACCAAAATGACCAAGTACCCATCTGTGTC	855
Db	856	CTCTATTGGAGAACCAAGCCTTCTCAATATGACCAAAATGACCAAGTACCCATCTGTGTC	840
Qy	841	AGAAACCTTCCCATTAACAGGGGTGGCCTCACTTCAAGATGCTTCCCTGCAAACTGGC	915
Db	916	AGAAACCTTCCCATTAACAGGGGTGGCCTCACTTCAAGATGCTTCCCTGCAAACTGGC	900
Qy	901	AGCTATGCGACACAGAGGCTCCTCTTTGTGAAACTTTGCCAGCAACTCTTATATGA	975
Db	976	AGCTATGCGACACAGAGGCTCCTCTTTGTGAAACTTTGCCAGCAACTCTTATATGA	960
Qy	961	AATTAAGAGAAACTTCTCTGACACAGGTGTGACCTGCAAAATCTCAGAGAAAGATCT	1035
Db	1036	AATTAAGAGAAACTTCTCTGACACAGGTGTGACCTGCAAAATCTCAGAGAAAGATCT	1020
Qy	1021	TCTTCTGTAAACGTTGGCCAGCTTGCACAGACAAGATTAATTTCTACACACAGCGCC	1095
Db	1096	TCTTCTGTAAACGTTGGCCAGCTTGCACAGACAAGATTAATTTCTACACACAGCGCC	1080
Qy	1081	TGGGATGCCAAGGAGACACAACATCTATGTAGCAAAATGGGCCAAGCGAAATCTGTAGC	1155
Db	1156	TGGGATGCCAAGGAGACACAACATCTATGTAGCAAAATGGGCCAAGCGAAATCTGTAGC	1140
Qy	1141	GAGGACCTTGAAGGGGACGTGAAGCTGCTGCGCTGTGTTGAAGACCAACACTGCCACCC	1215
Db	1215	GAGGACCTTGAAGGGGACGTGAAGCTGCTGCGCTGTGTTGAAGACCAACACTGCCACCC	1200

Dd	2656	GATGGCGCAACTTCCTCATTCCCTGTGCGAGACGCCGGCTGCTTGCOCGGCTGCCTGACAGN	2715
Oy	2641	GCTGACTACCATCTCTATCTGCTCAGACAGCTCTGTGGCTGGGATCCAGAAGACTACTTACGNG	2700
Dd	2716	GCTACTTACCATGCTCTATCGTGACAGACAGCTGTGTGGCTGGGATCCAGAAGACTACTTACGNG	2775
Oy	2701	TGGCGAAGAACCCAAAGCTATGTCTCTGTGTGGCAATTTCTCTGGCTTGAGCGAGAGAGTCACACANC	2760
Dd	2776	TGNGGAGAACCCCAAAGCTATGTCTCTGTGTGGCAATTTCTCTGGCTTGAGCGAGAGAGTCACACANC	2835
Oy	2761	TGCAAAACCATATGATTTCTGTGGCTGAAGAGTGGGCATCTGTGACAGCACCTGTACTGECATNC	2820
Dd	2836	TGCAAAACCATATGATTTCTGTGGCTGAAGAGTGGGCATCTGTGACAGCACCTGTACTGECATNC	2895
Oy	2821	CTGTCTACCCGCTTGTGACCTCTACTTTGGAAAAAAAAGATCCAAAACATAGAGTAACAAGTAC	2880
Dd	2896	CTGTCTACCCGCTTGTGACCTCTACTTTGGAAAAAAAAGATCCAAAACATAGAGTAACAAGTAC	2955
Oy	2881	TCCAAGCTGGTGATGATAATGTCTACTCTCAAGAGACTGTGACTGCCACAGCTGCAGACGTGC	2940
Dd	2956	TCCAAGCTGGTGATGATAATGTCTACTCTCAAGAGACTGTGACTGCCACAGCTGCAGACGTGC	3015
Oy	2941	GCCATCATGTGAAGGCGAGAGATGTAGAAGGACGACCTCATCTTTACGACGAMGA--TCACTC	2999
Dd	3016	GCCATCATGTGAAGGCGAGAGATGTAGAAGGACGACCTCATCTTTACGACGAMGAATGTCACCTT	3075
Oy	3000	TTTTGGGAAGATCAATCATCTTTACCTCCAGAAGAGACTCTGTATGATTTGACTCAGATGCGC	3059
Dd	3076	TTTTGGGAAGATCAATCATCTTTACCTCCAGAAGAGACTCTGTATGATTTGACTCAGATGCGC	3135
Oy	3060	CTGAGACATCTCTCAGAGAGGCGCCAGACATGAGACTGTGAGAGSAGCACTGCTGCTCACCCT	3119
Dd	3136	CTGAAACATCTCTCAGAGAGGCGCCAGACATGAGACTGTGAGAGSAGCACTGCTGCTCACCCT	3195
Oy	3120	GCCCTCTCACCCTTGGATAGACACCTTTTGCAAGCCTGGCGGAGATTTGGTGCCAGACATCCTG	3179
Dd	3196	GCCCTCTCACCCTTGGATAGACACCTTTTGCAAGCCTGGCGGAGATTTGGTGCCAGACATCCTG	3255
Oy	3180	CAACACCCCACTGCTGGAATCTCTTCATTTGGGCTTATCAGATGTGTAATTTAGATC	3239
Dd	3256	CAACACCCCACTGCTGGAATCTCTTCATTTGGGCTTATCAGATGTGTAATTTAGATC	3315
Oy	3240	TTTTTTTATAGATTAACCAAAACCCCTCTTCTGCTTGCCTCAAACTGCCAAATATATACC	3299
Dd	3316	TTTTTTTATAGATTAACCAAAACCCCTCTTCTGCTTGCCTCAAACTGCCAAATATATACC	3375
Oy	3300	ACACTTTGTTGTAAATTTAAAAAAAAAAAAAAAAAAAAA	3334
Dd	3376	ACATTTTTTTTAAAAAAAAAAAAAAAAAAAAA	3410
 RESULT 7 US-10-176 -921-37			
/	Sequence 37, Application US/10176921		
/	Publication No. US20030027276A1		
/	GENERAL INFORMATION:		
/	APPLICANT: Baker, Kevin P.		
/	APPLICANT: Beresini, Maureen		
/	APPLICANT: Deforge, Laura		
/	APPLICANT: Desnoyers, Luc		
/	APPLICANT: Filvaroff, Ellen		
/	APPLICANT: Gao, Wei-Qiang		
/	APPLICANT: Gerritsen, Mary E.		
/	APPLICANT: Goddard, Audrey		
/	APPLICANT: Gudowski, Paul J.		
/	APPLICANT: Gurney, Austin L.		
/	APPLICANT: Sherwood, Steven		
/	APPLICANT: Smith, Victoria		
/	APPLICANT: Stewart, Timothy A.		
/	APPLICANT: Tumas, Daniel		
/	APPLICANT: Watanabe, Colin K		
/	APPLICANT: Wood, William		
/	APPLICANT: Zhang, Zemin		

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P33081C28
;; CURRENT APPLICATION NUMBER: US/10/176,921
;; CURRENT FILING DATE: 2002-06-20
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 37
;; LENGTH: 3501
;; TYPE: DNA
;; ORGANISM: Homo Sapien
;; FEATURE:
;; NAME/KEY: unsure
;; LOCATION: 2762, 2778
;; OTHER INFORMATION: unknown base
US-10-176-921-37

Query Match 99.1%; Score 3303.4; DB 9; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

QY 1 GCAGAGCAGCAGCCGACGACCTGAGCCGCTACTGCGCTCAGTCAGAGCAAGCTATG 60
DB 76 GCAGAGCAGCAGCCGACGACCTGAGCCGCTACTGCGCTCAGTCAGAGCAAGCTATG 135
QY 61 GCTGAGCTGGGACAGCCACCATCTCTCCGCAAGTCAGGGAGAAGCTGAGAGCGC 120
DB 136 GCTGAGCTGGGACAGCCACCATCTCTCCGCAAGTCAGGGAGAAGCTGAGAGCGC 195
QY 121 ATACCCGCTGTGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
DB 196 ATACCCGCTGTGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 255
QY 181 ACGGACCGGAGCTTACGCTTACGCTTACGCTTACGCTTACGCTTACGCTTACGCTT 240
DB 256 ACGGACCGGAGCTTACGCTTACGCTTACGCTTACGCTTACGCTTACGCTTACGCTT 315
QY 241 GACAGCAGCGGCTTCCAGGTGAGGGTCCGCTGCGCATACCGGGCGTGTGACAGC 300
DB 316 GACAGCAGCGGCTTCCAGGTGAGGGTCCGCTGCGCATACCGGGCGTGTGACAGC 375
QY 301 CTGCTGACCCGCTTACGCTTACGCTTACGCTTACGCTTACGCTTACGCTTACGCTT 360
DB 376 CTGCTGACCCGCTTACGCTTACGCTTACGCTTACGCTTACGCTTACGCTTACGCTT 435
QY 361 GATATGAAGACAGCAGTATGATGATGATGATGATGATGATGATGATGATGATGATG 420
DB 436 GATATGAAGACAGCAGTATGATGATGATGATGATGATGATGATGATGATGATGATG 495
QY 421 ATTGGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 480
DB 496 ATTGGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 555
QY 481 GAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 540
DB 556 GAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 615
QY 541 CGGGGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 600
DB 616 CGGGGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 675
QY 601 AACCTGAAGCAATCTGCGCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTAC 660
DB 676 AACCTGAAGCAATCTGCGCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTAC 735
QY 661 TTTGAGTTTTCGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 720
DB 736 TTTGAGTTTTCGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 795
QY 721 AAGACCAAG 780
DB 796 AAGACCAAG 855

QY 791 CTCTATTGAGAACACAGCCTTCTCAGTATGAGCAAGATACCAAGCCTGTGCTG 840
DB 856 CTCTATTGAGAACACAGCCTTCTCAGTATGAGCAAGATACCAAGCCTGTGCTGCTG 915
QY 841 AGAAACATTTGCGATTAACAGGGGTGCTTACATCTTCAAGATGCTTCCCTGCAACCTG 900
DB 916 AGAAACATTTGCGATTAACAGGGGTGCTTACATCTTCAAGATGCTTCCCTGCAACCTG 975
QY 901 ACATATGACAGCAAGCAGGCTCTCTTCTGCAACTTGTGCGGCAAGCTTATTTCA 960
DB 976 ACATATGACAGCAAGCAGGCTCTCTTCTGCAACTTGTGCGGCAAGCTTATTTCA 1035
QY 961 AATTAAGAGAAATCTTCTGCAAGCTGATGATGATGATGATGATGATGATGATGATG 1020
DB 1036 AATTAAGAGAAATCTTCTGCAAGCTGATGATGATGATGATGATGATGATGATGATG 1095
QY 1021 TCTTCCGTAACCTGCGGCGGCTTCTGCAAGCAAGATTTTCTACACACAGCGCC 1080
DB 1096 TCTTCCGTAACCTGCGGCGGCTTCTGCAAGCAAGATTTTCTACACACAGCGCC 1155
QY 1081 TCGATATGCCAAGCAGAGACACACACTCATGTACAAATGGGCCAAGCCAAATGTG 1140
DB 1156 TCGATATGCCAAGCAGAGACACACACTCATGTACAAATGGGCCAAGCCAAATGTG 1215
QY 1141 GAGACCTTGAAGGGGCGAGTGAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200
DB 1216 GAGACCTTGAAGGGGCGAGTGAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1275
QY 1201 TGCACCCAGGCTTCTTCAAAACCAACACAGCACTCCAGCCCTGCTTATGCTTC 1260
DB 1276 TGCACCCAGGCTTCTTCAAAACCAACACAGCACTCCAGCCCTGCTTATGCTTC 1335
QY 1261 TACTCCAAATGGTCAAGCTTACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
DB 1336 TACTCCAAATGGTCAAGCTTACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1395
QY 1321 GAATCAAAATGGTGAACACAGCTGCCCAACAACTGGAACAGCCGTTCCATGGGATC 1380
DB 1396 GAATCAAAATGGTGAACACAGCTGCCCAACAACTGGAACAGCCGTTCCATGGGATC 1455
QY 1381 AACTCGAGTCAAGAGGCGATGACAGGCTGGAGGCTGCTGCTGCTGCTGCTGCTGCTG 1440
DB 1456 AACTCGAGTCAAGAGGCGATGACAGGCTGGAGGCTGCTGCTGCTGCTGCTGCTGCTG 1515
QY 1441 GCTGAGCCTCAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1500
DB 1516 GCTGAGCCTCAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1575
QY 1501 CCGGATGGGTGATGGCAGACACAGAGATTAAGAGGTGGCAGAAATCAATTTGCTTT 1560
DB 1576 CCGGATGGGTGATGGCAGACACAGAGATTAAGAGGTGGCAGAAATCAATTTGCTTT 1635
QY 1561 GAGACCTCTTGTGAGCTGAGCTGATGATGATGATGATGATGATGATGATGATGATG 1620
DB 1636 GAGACCTCTTGTGAGCTGAGCTGATGATGATGATGATGATGATGATGATGATGATG 1695
QY 1621 AACACTCTGTGAGAGCTGGAAGAGTTCCAAAGCAACAGTCTTACTACATCTT 1680
DB 1696 AACACTCTGTGAGAGCTGGAAGAGTTCCAAAGCAACAGTCTTACTACATCTT 1755
QY 1681 GAGGAGAACACTACAGAGCTTACCTGAGCTTCTGAGAGACACATTTTCAGAGCA 1740
DB 1756 GAGGAGAACACTACAGAGCTTACCTGAGCTTCTGAGAGACACATTTTCAGAGCA 1815
QY 1741 AGCAGGAAGTACCAATGACGTTGCAAGATCTACTCATGATGATGATGATGATGATG 1800
DB 1816 AGCAGGAAGTACCAATGACGTTGCAAGATCTACTCATGATGATGATGATGATGATG 1875
QY 1801 AATGGCTGGCTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1860
DB 1876 AATGGCTGGCTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1935
QY 1861 TGCACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1920

```

|||||
Db 1936 TGCACTCTGTCCTGCTGTTACTATATGACCGGATTCAGGAACCGCCACATCCGTC 1995
Oy 1921 CCCCCCTAACAAATTCGAAAGGCCACACAGCCCTTATGTTGTCAGGCCCTGTGTGCCCTGT 1980
Db 1996 CCCCCCTAACAAATTCGAAAGGCCACACAGCCCTTATGTTGTCAGGCCCTGTGTGCCCTGT 2055
Oy 1981 GGTCCAGGAGCAAGAAACAAGATCCACTCTGTGTGATGATGATGACCTTTCTCA 2040
Db 2056 GGTCCAGGAGCAAGAAACAAGATCCACTCTGTGTGATGATGATGACCTTTCTCA 2115
Oy 2041 CGCAACACTCCACAGAGCTTTCACATACACTTCCTCGCTTGGCAACACCGTCACT 2100
Db 2116 CGCAACACTCCACAGAGCTTTCACATACACTTCCTCGCTTGGCAACACCGTCACT 2175
Oy 2101 CTTCGTGAGGGCCAGCTTCTACTTCCAAAGGGTGAATACCTTCATCATCTTACCTC 2160
Db 2176 CTTCGTGAGGGCCAGCTTCTACTTCCAAAGGGTGAATACCTTCCATCTTACCTC 2235
Oy 2161 AGTCTGTGGAAGCAAGGGGTAGGAAATGCTGTGTGACCGCAATGTCTACTGACCTC 2220
Db 2236 AGTCTGTGGAAGCAAGGGGTAGGAAATGCTGTGTGACCGCAATGTCTACTGACCTC 2295
Oy 2221 CGGATTCCTGAAGGTGAGTCAAGGGTCTCCAAATCTATCACAGCTTACGTCAGCA 2280
Db 2296 CGGATTCCTGAAGGTGAGTCAAGGGTCTCCAAATCTATCACAGCTTACGTCAGCA 2355
Oy 2281 GTTCATATCCCCCGACAGGTGACAGGGTACAAAGGCCGGGGGTTTCTCACAGCCGTGACG 2340
Db 2356 GTTCATATCCCCCGACAGGTGACAGGGTACAAAGGGCGGGGTTTCTCACAGCCGTGACG 2415
Oy 2341 CTTTGATGATCGACTTATTGGGGTGAACAAGATATGACTGTGATGGAATCAGCTCCCA 2400
Db 2416 CTTTGATGATCGACTTATTGGGGTGAACAAGATATGACTGTGATGGAATCAGCTCCCA 2475
Oy 2401 GCTGAACCTTTTCCACTGAGTCTCTGGGAATACCGGAGCGGATCTTTTATAGTCC 2460
Db 2476 GCTGAACCTTTTCCACTGAGTCTCTGGGAATACCGGAGCGGATCTTTTATAGTCC 2535
Oy 2461 AATGATGTGACCAAGTCTGACAGTCTGTGGAGATCAACCAACATCCGGTCAAGTGCAGT 2520
Db 2536 AATGATGTGACCAAGTCTGACAGTCTGTGGAGATCAACCAACATCCGGTCAAGTGCAGT 2595
Oy 2521 CCACAGAAACTCTCCCTGGAAGTTTGTCTGTCGCAAGAACTGCTCAGATGGGACCTGT 2580
Db 2596 CCACAGAAACTCTCCCTGGAAGTTTGTCTGTCGCAAGAACTGCTCAGATGGGACCTGT 2655
Oy 2581 GATGGCTGCAACTTCCACTCTGTGGGAGAGGCGGCTGTTGCCGCTGTCTCAGTG 2640
Db 2656 GATGGCTGCAACTTCCACTCTGTGGGAGAGGCGGCTGTTGCCGCTGTCTCAGTG 2715
Oy 2641 GCTGACTACCATGCTATGCTGACAGCTGTGTGGCTGGGATCCAGAACTCTTACGTG 2700
Db 2716 GCTGACTACCATGCTATGCTGACAGCTGTGTGGCTGGGATCCAGAACTCTTACGTG 2775
Oy 2701 TGGGAGAAACCAAGCTATGCTGTGGGATTTCTGTGCTGAGAGAGAGTCAACATC 2760
Db 2776 TGGGAGAAACCAAGCTATGCTGTGGGATTTCTGTGCTGAGAGAGAGTCAACATC 2835
Oy 2761 TGGCAAAACCATAGATTTCTGGCTGAAAGTGGGATCTCTGACAGCACTGTACTGCCATC 2820
Db 2836 TGGCAAAACCATAGATTTCTGGCTGAAAGTGGGATCTCTGACAGCACTGTACTGCCATC 2895
Oy 2821 CTGCTCACCGTCTGACCTGCTACTTTTGGAAAAAAGATCAAAACTAGAGTCAAGTAC 2880
Db 2896 CTGCTCACCGTCTGACCTGCTACTTTTGGAAAAAAGATCAAAACTAGAGTCAAGTAC 2955
Oy 2881 TCCAGAGCTGATGATGATGCTACTCTCAAGAGCTGTGACCTGCCAGAGTGAAGCTGC 2940
Db 2956 TCCAGAGCTGATGATGATGCTACTCTCAAGAGCTGTGACCTGCCAGAGTGAAGCTGC 3015
Oy 2941 GCCATCATGGAAGCGAGGATGTAGAGACACCTCATCTTTTACCAGCAAGAA-TGACTC 2999
|||||

```

```

Db 3016 GCCATCATGGAAGCGAGGATGTAGAGACACCTCATCTTTTACCAGCAAGAAATCACT 3075
Oy 3000 TTTGGGAAGATCAAAATCATTTTACTTCCAGAGAGACTCCGATGATTTGACTCAGTGGCG 3059
Db 3076 TTTGGGAAGATCAAAATCATTTTACTTCCAGAGAGACTCCGATGATTTGACTCAGTGGCG 3135
Oy 3060 CTGAAGACATCTCCAGAGAGCCAGACATGAGACTGTGAGAGGCACTGCTGCTCAGCT 3119
Db 3136 CTGAAGACATCTCCAGAGAGCCAGACATGAGACTGTGAGAGGCACTGCTGCTCAGCT 3195
Oy 3120 GCTCTCTACCTTGCATAGCAGCTTTTGCAAGCTGGGGGATTTGGGTGCGCAGATCTCG 3179
Db 3196 GCTCTCTACCTTGCATAGCAGCTTTTGCAAGCTGGGGGATTTGGGTGCGCAGATCTCG 3255
Oy 3180 CAACACCCAGCTGTGGAATCTGTCAATGTGGCTTATCAGATGTTGAATTTGAGATC 3239
Db 3256 CAACACCCAGCTGTGGAATCTGTCAATGTGGCTTATCAGATGTTGAATTTGAGATC 3315
Oy 3240 TTTTATAGATGACCAAAACCTCTCTGCTGCTCAAAACCTGCCAATATATACC 3299
Db 3316 TTTTATAGATGACCAAAACCTCTCTGCTGCTCAAAACCTGCCAATATATACC 3375
Oy 3300 ACATTTGTTGTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 3334
Db 3376 ACATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 3410

```

RESULT 8

```

US-10-137-865-37
; Sequence 37, Application US/10137865
; Publication No. US20030032155A1

```

GENERAL INFORMATION:

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C154
; CURRENT APPLICATION NUMBER: US/10/137,865
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 37
; LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
; OTHER INFORMATION: unknown base
US-10-137-865-37

```

Query Match

```

Best Local Similarity 99.1%; Score 3303.4; DB 9; Length 3501;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

```

```

Oy 1 GCAGAGAGAGAGCGGAGGACGACGCTGAGCGGCTACTGCGCTCACTGAGCAACGCTATG 60
Db 76 GCAGAGAGAGAGCGGAGGACGACGCTGAGCGGCTACTGCGCTCACTGAGCAACGCTATG 135

```


Wed Mar 12 10:08:32 2003

us-10-046-433-39.rmpb

Page 17

DB 2296 CGGATTCCTGAGGCTAGTCTAGGTTCTCCAAATCTATACAGCTAGCTGCTGCCAGCA 2355
DB 2281 GTCATCATCCCCCAGAGGTGACAGGCTACAAAGGCCGGGTTCTCTCAGCCTGTACG 2340
DB 2356 GTCATCATCCCCCAGAGGTGACAGGCTACAAAGGCCGGGTTCTCTCAGCCTGTACG 2415
DB 2341 CTGTGTATGAGTATTTGGGTGACAAAGATATGATCTGTGATGATGATGATGATGATG 2400
DB 2416 CTGTGTATGAGTATTTGGGTGACAAAGATATGATCTGTGATGATGATGATGATGATG 2475
DB 2401 GCTGATCTTTCCACCTGAGTCTCTGGGATACCGAGCTGATCTCTTTATATGATGCTC 2460
DB 2476 GCGAATCTTTCCACCTGAGTCTCTGGGATACCGAGCTGATCTCTTTATATGATGCTC 2535
DB 2461 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2520
DB 2536 AATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2595
DB 2521 CCACAGAAAATCTGCTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2580
DB 2596 CCACAGAAAATCTGCTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2655
DB 2581 GATGGCTGCAACTTCCACTTCTCTGAGAGCGGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2640
DB 2656 GATGGCTGCAACTTCCACTTCTCTGAGAGCGGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2715
DB 2641 GCTGATCTACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2700
DB 2716 GCTGATCTACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2775
DB 2701 TGGCAGAGAACCAAGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2760
DB 2776 TGGCAGAGAACCAAGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2835
DB 2761 TGGCAGAGAACCAAGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2820
DB 2836 TGGCAGAGAACCAAGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2895
DB 2821 CTGCTACACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2955
DB 2896 CTGCTACACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2955
DB 2881 TCCAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2940
DB 2956 TCCAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3015
DB 2941 GGCATCATGAGAGCGAGATGATGAGAGCGAGCTCATCTTTACAGCAGAGAA-TCACTC 2999
DB 3016 GGCATCATGAGAGCGAGATGATGAGAGCGAGCTCATCTTTACAGCAGAGAA-TCACTC 3075
DB 3000 TTTGGGAAAGATCAATCATTTTACCTCCAAAGAGATCTCTGATGATGATGATGATGATG 3059
DB 3076 TTTGGGAAAGATCAATCATTTTACCTCCAAAGAGATCTCTGATGATGATGATGATGATG 3135
DB 3060 CTGAAGCATCTCTAGAGAGCGAGATGATGAGAGCGAGCTCATCTTTACAGCAGAGAA-TCACTC 3119
DB 3136 CTGAAGCATCTCTAGAGAGCGAGATGATGAGAGCGAGCTCATCTTTACAGCAGAGAA-TCACTC 3195
DB 3120 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3179
DB 3196 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3255
DB 3180 CAACACCCCATCTGAGAAATCTCTCATTTGAGCTTATGAGATGATGATGATGATGATGATG 3239
DB 3256 CAACACCCCATCTGAGAAATCTCTCATTTGAGCTTATGAGATGATGATGATGATGATGATG 3315
DB 3240 TTTTATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3299
DB 3316 TTTTATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3375
DB 3300 ACATTTGTTGTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3334

DB 3376 ACATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3410

RESULT 9
US-10-140-474-37
Sequence 37, Application US/10140474
Publication No. US2003032156A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarioff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geriltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C162
CURRENT FILING DATE: 2002-05-06
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 37
LENGTH: 3501
TYPE: DNA
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: unsure
LOCATION: 2762, 2778
OTHER INFORMATION: unknown base
US-10-140-474-37
Query Match 99.1%; Score 3303.4; DB 9; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;
DB 1 GCAGAGCAGAGAGCGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 60
DB 76 GCAGAGCAGAGAGCGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 120
DB 61 GCTGAGCCTGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 195
DB 136 GCTGAGCCTGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 180
DB 121 ATRACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 255
DB 196 ATRACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
DB 181 ACGGAGCAGAGCTTACGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 315
DB 256 ACGGAGCAGAGCTTACGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 300
DB 241 GACAGCAGGCTTCCAGGTGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 375
DB 316 GACAGCAGGCTTCCAGGTGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
DB 301 CTGCTGACCCCTGCAAGGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 435
DB 376 CTGCTGACCCCTGCAAGGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 420
DB 361 GATATGAAGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 495
DB 436 GATATGAAGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG

QY	781	CTGTATTGGAGAAACACACACACCTTCTCTCAGTATGAGACCAAAAGTACCCAAAGCCTGTGTGGTG	840
Db	856	CTGTATTGGAGAAACCAACACCTTCTCTCAGTATGAGACCAAAAGTACCCAAAGCCTGTGTGGTG	915
QY	841	AGAAACATTGGCCATTAAACAGGGGTGGGCGTACACTTCAGAAATGGCTTCCCTGCACAAACCGGC	900
Db	916	AGAAACATTGGCCATTAAACAGGGGTGGGCGTACACTTCAGAAATGGCTTCCCTGCACAAACCGGC	975
QY	901	ACGTATGACAGACAAGCAGGGGTCCTCTTTTTCGAAACTTTTGGCCAGCCAACTCTTATTTCA	960
Db	976	ACGTATGACAGACAAGCAGGGGTCCTCTTTTTCGAAACTTTTGGCCAGCCAACTCTTATTTCA	103
QY	961	AATAAAGGAGAAACCTTCTTGGCCACCAAGTGTACCTGTACAAATATCTCAGAGAAAGATCT	1021
Db	1036	AATAAAGGAGAAACCTTCTTGGCCACCAAGTGTACCTGTACAAATATCTCAGAGAAAGATCT	1091
QY	1021	TCTTCTCTTAAGAGTGGCCGCCACAGCTTGGACACAGCAAAAGTATATTTCTACACACAGGGCC	1081
Db	1096	TCTTCTCTTAAGAGTGGCCGCCACAGCTTGGACACAGCAAAAGTATATTTCTACACACAGGGCC	1151
QY	1081	TGCGATGCCAACGAGAGACACAACCTCATGTACAAATGGGCCCAAGCCGAAATCTGTAC	1141
Db	1156	TGCGATGCCAACGAGAGACACAACCTCATGTACAAATGGGCCCAAGCCGAAATCTGTAC	1211
QY	1141	GAGGACCTTGAAGGGGGGAGTAAAGCTGTCTCCCTCTGGTGTGAAGACCACTGTCCACCC	1201
Db	1216	GAGGACCTTGAAGGGGGGAGTAAAGCTGTCTCCCTCTGGTGTGAAGACCACTGTCCACCC	1271
QY	1201	TGCAACCCACAGGCTTCTTCAAAAACCAAGACAGCAAGCACTGCCAGCCCTGCCATTATGTCTCC	1261
Db	1276	TGCAACCCACAGGCTTCTTCAAAAACCAAGACAGCAAGCACTGCCAGCCCTGCCATTATGTCTCC	1331
QY	1261	TACTCCATAGGCTCAGACTGTACCCCGCTGCCCTGTGACAGGACTAACCTGCTGTGGGATTT	1321
Db	1336	TACTCCATAGGCTCAGACTGTACCCCGCTGCCCTGTGACAGGACTAACCTGCTGTGGGATTT	1391
QY	1321	GAATACCAATAGGTGGAAACACCTGCCCAAAAATGGAAGCAAGCCGTTCAGTGGGAAATC	1381
Db	1396	GAATACCAATAGGTGGAAACACCTGCCCAAAAATGGAAGCAAGCCGTTCAGTGGGAAATC	1451
QY	1381	AACCTTGCAGTCAAAAGGCGATGACAGCGCTGGAGGTGGCTGGTGATACATTTACACAGCT	1441
Db	1456	AACCTTGCAGTCAAAAGGCGATGACAGCGCTGGAGGTGGCTGGTGATACATTTACACAGCT	1511
QY	1441	GCTGGAGCCTCAGACAATGATCTCATGTCTCAGCTGGTGTGGCAGAGATTTAGACT	1501
Db	1516	GCTGGAGCCTCAGACAATGATCTCATGTCTCAGCTGGTGTGGCAGAGATTTAGACT	1571
QY	1501	CCGAGTGGGATGATGCGACAGACACAGAAATTAAGAGGTGGCCAGAAATTCATTTTCTTTT	1561
Db	1576	CCGAGTGGGATGATGCGACAGACACAGAAATTAAGAGGTGGCCAGAAATTCATTTTCTTTT	1631
QY	1561	GAGACCCCTCTTCTGTGTGAACGTGTGAGACTTACTTATGTGTGGGTGTGAATTTGAGACC	1621
Db	1636	GAGACCCCTCTTCTGTGTGAACGTGTGAGACTTACTTATGTGTGGGTGTGAATTTGAGACC	1691
QY	1621	AACACTCTGTGAGAGGTGGAAGATTCCAAAGGCAAAAGTCCATACCTATCACTATCT	1681
Db	1696	AACACTCTGTGAGAGGTGGAAGATTCCAAAGGCAAAAGTCCATACCTATCACTATCTATCT	1751
QY	1681	GAGGAGAACTACACAGACTTCACTGTGGCCCTTCAGAGGACCACTTTTTCATGAGCA	1741
Db	1756	GAGGAGAACTACACAGACTTCACTGTGGCCCTTCAGAGGACCACTTTTTCATGAGCA	1811
QY	1741	AGCAGAGAGTACACCAATGAGAGTGGCAAGATCTACTCCATAAATGTACCAAAATTTATG	1801
Db	1816	AGCAGAGAGTACACCAATGAGAGTGGCAAGATCTACTCCATAAATGTACCAAAATTTATG	1871
QY	1801	AATGGCGTGGGCTCTACTACCGCTCCCTGAGCCCTAGAAGCCTCTGATGTGGGCGCTCC	1861
Db	1876	AATGGCGTGGGCTCTACTACCGCTCCCTGAGCCCTAGAAGCCTCTGATGTGGGCTCTCC	1931

QY	1861	TGACACCTCTTGTCGCGGTGTACTAATATTGACGACGATTCAGAAACCTGCGACCTCTGC	1922
Db	1936	TGACACTCTTTGTCCTGCTGGTGTACTATTATTTGACCGGAATTCAGAAACCTGCGACCTCTGC	1995
QY	1921	CCCCCTAACACAAATTTCTGAAGCCGACAGGCTTATATGTTGTCAGAGCCGTGTGCCTGT	1980
Db	1996	CCCCCTAACACAAATTTCTGAAGCCGACAGGCTTATATGTTGTCAGAGCCGTGTGCCTGT	2055
QY	1981	GGTCCAGGAGCCAAACAAACAAGATCCACTCTGTGTGCTACATATGATTTGCACTTTTCA	2040
Db	2056	GGTCCAGGAGCCAAACAAACAAGATCCACTCTGTGTGCTACATATGATTTGCACTTTTCA	2115
QY	2041	CGAACACTCCCAACGAGACCTTTAACTACAACTGTCGCGTTTGGCAAAACCGTGTACT	2100
Db	2116	CGAACACTCCCAACGAGACCTTTAACTACAACTTCTCGCTTTTGGCAAAACCGTGTACT	2175
QY	2101	CTTGTGAGGGGCCAAGCTTCACCTCCAAAGGGTTGAATATCTTCCATCATTAAACCTTC	2160
Db	2176	CTTGTGTGAGGGGCCAAGCTTCACCTCCAAAGGGTTGAATATCTTCCATCATTAAACCTTC	2235
QY	2161	AGCTCTGTGGAAACACAGAGGTAGGAAATAATGTCGTGCAACCGACAAATGTACTCTACTC	2220
Db	2236	AGCTCTGTGGAAACACAGAGGTAGGAAATAATGTCGTGCAACCGACAAATGTACTCTACTC	2295
QY	2221	CGGATTTCTGAGGGGTGATGACAGGGTTTCTCCAAATCTATCACAGCTAGCTGCGCAGCA	2280
Db	2296	CGGATTTCTGAGGGGTGATGACAGGGTTTCTCCAAATCTATCACAGCTAGCTGCGCAGCA	2355
QY	2281	GTCAATCATCCCCCAGAGAGTATACAGGCTACAAAGCCGGGGTTTCTCACAGCTGTCAAGC	2340
Db	2356	GTCAATCATCCCCCAGAGAGTATACAGGCTACAAAGCCGGGGTTTCTCACAGCTGTCAAGC	2415
QY	2341	CTTGTGTATGACATTTATTTGGGGGTGACAAACAGATATACCTGTGAATGAAATACCTCCCA	2400
Db	2416	CTTGTGTATGACATTTATTTGGGGGTGACAAACAGATATACCTGTGAATGAAATACCTCCCA	2475
QY	2401	GCTGAACCTTTTCCACTGTGAGTCTTGTGGAAATACGGAGCTGATCTTGTTTATATAGTCC	2460
Db	2476	GCTGAACCTTTTCCACTGTGAGTCTTGTGGAAATACGGAGCTGATCTTGTTTATATAGTCC	2535
QY	2461	AATGATGTGAGCCAGCTCCTGACAGTCTGGGAGATCAACACATCCGGTCAAGTGGAGGT	2520
Db	2536	AATGATGTGAGCCAGCTCCTGACAGTCTGGGAGATCAACACATCCGGTCAAGTGGAGGT	2595
QY	2521	CCACAGAAACACTGTCTCTGGAAAGTTTGTGTGTCGACAGAACGTCTCAGATGGAGACTGT	2580
Db	2596	CCACAGAAACACTGTCTCTGGAAAGTTTGTGTGTCGACAGAACGTCTCAGATGGAGACTGT	2655
QY	2581	GATGGCTGCACCTTCCACTTCGTCGTGGAGAGCGGCGCTGTGCCGCTCTGCTCAAGTGT	2640
Db	2656	GATGGCTGCACCTTCCACTTCGTCGTGGAGAGCGGCGCTGTGCCGCTCTGCTCAAGTGT	2715
QY	2641	GCTGACTACCACTGCTATCCTCACAGACTGTGTGGCTGGGATCCAGAAAGACTACTTAAGTGT	2700
Db	2716	GCTGACTACCACTGCTATCCTCACAGACTGTGTGGCTGGGATCCAGAAAGACTACTTAAGTGT	2775
QY	2701	TGGGGAAGAACCCAAAGCTATGCTGTGGTGGCATTTCTCTGTGCTGAGCAGAGAGTACCATC	2760
Db	2776	TGGGGAAGAACCCAAAGCTATGCTGTGGTGGCATTTCTCTGTGCTGAGCAGAGAGTACCATC	2835
QY	2761	TGCAAAACCAATAGATTTTCTGGCTGGAAGAGGGGCATCTGTGAGACACTGTACTGCGCATC	2820
Db	2836	TGCAAAACCAATAGATTTTCTGGCTGGAAGAGGGGCATCTGTGAGACACTGTACTGCGCATC	2895
QY	2821	CTGCTCACCGTCTTGACCTGTACTCTTTTGGAAAAAGAAATCAAAAATGAGTACAAAGTAC	2880
Db	2896	CTGCTCACCGTCTTGACCTGTACTCTTTTGGAAAAAGAAATCAAAAATGAGTACAAAGTAC	2955
QY	2881	TTCGAAGCTGGAGTGAATGCTACTCTCAAGAGACTGTGACCTGCACAGAGACTGACAGCTGTG	2940
Db	2956	TTCGAAGCTGGAGTGAATGCTACTCTCAAGAGACTGTGACCTGCACAGAGACTGACAGCTGTG	3015
QY	2941	GCCATCATGTGAAGGCGAGGATGTAGAGAGCGACCTCATCTTTACGACAGAAG-TGCACTG	2999

```

|||||
Db 3016 GCGATCATGGAAGCGGAGAGTGTAGAGACCTCATCTTTACCAAGCAAGATGCATCT 3075
Oy 3000 TTTGGGAAGATCAATATCTTTACCTGCAAGAGACTCTCTATGATTTGACTAGTCCG 3059
Db 3076 TTTGGGAAGATCAATATCTTTACCTGCAAGAGACTCTCTATGATTTGACTAGTCCG 3135
Oy 3060 CTGAAGACATCTCTAGAGAGGCGCCAGACATGAGACCTGTGAGAGGACACTGCTGCTGACCT 3119
Db 3136 CTGAAGACATCTCTAGAGAGGCGCCAGACATGAGACCTGTGAGAGGACACTGCTGCTGACCT 3195
Oy 3120 GCGCTCTACCTTGCATGACACTTTTGCACACCTGCGGCGATTTGGTGGCCAGCATCTG 3179
Db 3196 GCGCTCTACCTTGCATGACACTTTTGCACACCTGCGGCGATTTGGTGGCCAGCATCTG 3255
Oy 3180 CAACACCCACTGCTGGAATCTCTTCAATTTGGCTTATGATTTGATTTGATTTGATTTGATTTG 3239
Db 3256 CAACACCCACTGCTGGAATCTCTTCAATTTGGCTTATGATTTGATTTGATTTGATTTGATTTG 3315
Oy 3240 TTTTATAGATGACCCAAACCTCTTCTGCTTGGCTGCAAACTGCGCAATATATACC 3299
Db 3316 TTTTATAGATGACCCAAACCTCTTCTGCTTGGCTGCAAACTGCGCAATATATACC 3375
Oy 3300 ACATTTGTTGTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3334
Db 3376 ACATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 3410

```

RESULT 11

```

US-10-143-114-37
; Sequence 37, Application US/10143114
; Publication NO. US20030036180A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1C211
; CURRENT APPLICATION NUMBER: US/10/143,114
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 37
; LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
; OTHER INFORMATION: unknown base
US-10-143-114-37

```

```

Query Match 99.1%; Score 3303.4; DB 9; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 331; Conservative 0; Mismatches 13; Indels 1; Gaps 1;
Oy 1 GCAGAGACAGACGCGGACGACCTAGCGCGTACTAGCGCGCTACGAGACCAAGCATATG 60
|||||

```

```

Db 76 GCAGAGACAGACGCGGACGACCTAGCGCGTACTAGCGCGCTACGAGACCAAGCATATG 135
Oy 61 GCTAGACCTGGGACACAGCCACATCTCTCGGAGAGTCAAGGGAGAACTAGAGGCGC 120
Db 136 GCTAGACCTGGGACACAGCCACATCTCTCGGAGAGTCAAGGGAGAACTAGAGAGGCC 195
Oy 121 ATACCCGGGCGTGGGCGGCTCTCTGAGGCTGGGACCGCTTCCAGGTGACCCAGGGA 180
Db 196 ATACCCGGGCTGTGGGCTCTCTCTGAGGCTGGGACCGCTTCCAGGTGACCCAGGGA 255
Oy 181 ACGGAGCCGAGACTTACGCGCTGCAAAAGACTTGAATACCATATGATACAGGGGTGT 240
Db 256 ACGGAGCCGAGACTTCAATGCTGCAAAAGAGTCTGATACCATATGATACAGGGGTGT 315
Oy 241 GACAGACAGGGTTCAGGTGAGGGTGGCGTGGCCGATACCCGCGGCTGTGACACAGC 300
Db 316 GACAGACAGGGTTCAGGTGAGGGTGGCGTGGCCGATACCCGCGGCTGTGACACAGC 375
Oy 301 CTGCTGACCCCGTCAAGGACCGAGTGTCTTCTCTCTGCAACGCCGGGAGTTTCTG 360
Db 376 CTGCTGACCCCGTCAAGGACCGAGTGTCTTCTCTCTGCAACGCCGGGAGTTTCTG 435
Oy 361 GATATGAGGACCATGATGTAAGCCATGGCGTGAAGGCGGCTACTCCCTGCGACAGGC 420
Db 436 GATATGAGGACCATGATGTAAGCCATGGCGTGAAGGCGGCTACTCCCTGCGACAGGC 495
Oy 421 ATTGCGTTGATGAGTGGGATGAGCTGCCCATGAGCTTTGGCCAGCTCTACGCCAATG 480
Db 496 ATTGCGTTGATGAGTGGGATGAGCTGCCCATGAGCTTTGGCCAGCTCTACGCCAATG 555
Oy 481 GAGCTGATGACAGTCTCTGATGTCACCGGAACTGTGTCGAATGGGTTTCC 540
Db 556 GAGCTGATGACAGTCTCTGATGTCACCGGAACTGTGTCGAATGGGTTTCC 615
Oy 541 CGGGGGGACACTATCGCTTCAACAGAGCAATGACACAGCCACATGATGAGCGCTC 600
Db 616 CGGGGGGACACTATCGCTTCAACAGAGCAATGACACAGCCACATGATGAGCGCTC 675
Oy 601 AACCTGAAGCAATCTGGACCGTTAACTTCAATCTGATCTACTATCCAGACTCCGATCATC 660
Db 676 AACCTGAAGCAATCTGGACCGTTAACTTCAATCTGATCTACTATCCAGACTCCGATCATC 735
Oy 661 TTTGAGTTTTTCTGATGATGACAGTGGCCAGCCCAATGCAAGTACCTCCAGTGGATG 720
Db 736 TTTGAGTTTTTCTGATGATGACAGTGGCCAGCCCAATGCAAGTACCTCCAGTGGATG 795
Oy 721 AAGACACAGAGAAAGGATGGAAATTCACAGTGTGAGCTTAATTCGAGCAATATGTC 780
Db 796 AAGACACAGAGAAAGGATGGAAATTCACAGTGTGAGCTTAATTCGAGCAATATGTC 855
Oy 781 CTGATTTGAGAACACACAGCTTCTCAGTATGAGCAAAAGTACCAAGCTGTGCTGTG 840
Db 856 CTGATTTGAGAACACACAGCTTCTCAGTATGAGCAAAAGTACCAAGCTGTGCTGTG 915
Oy 841 AGAAACATTTGCAATACAGGGGTGGCTTACACTTCAGAAATGCTTCCCTGCAAACTGGC 900
Db 916 AGAAACATTTGCAATACAGGGGTGGCTTACACTTCAGAAATGCTTCCCTGCAAACTGGC 975
Oy 901 ACGTATGACAGACAGAGGCTCTCTTCTGCAAAATTTGGCCAGCAACTCTTATCA 960
Db 976 ACGTATGACAGACAGAGGCTCTCTTCTGCAAAATTTGGCCAGCAACTCTTATCA 1035
Oy 961 AATAAGAGAGAACTTCTTGGCACAGTGTGACCTGACAAATCTCAGAGAAAGATCT 1020
Db 1036 AATAAGAGAGAACTTCTTGGCACAGTGTGACCTGACAAATCTCAGAGAAAGATCT 1095
Oy 1021 TCTTCTGTAACGTGCGCCAGCTTGCACAGACAAAGATTTTCTACACACACAGGCC 1080
Db 1096 TCTTCTGTAACGTGCGCCAGCTTGCACAGACAAAGATTTTCTACACACACAGGCC 1155
Oy 1081 TCGGATGCCAAGGAGAGACCAACTCATGTACAAATGGGCGAAGCGAAATCTGTAGC 1140
Db 1156 TCGGATGCCAAGGAGAGACCAACTCATGTACAAATGGGCGAAGCGAAATCTGTAGC 1215

```

OY	1141	AGGAGACCTTGAGGGGACATGCAAGTCGCCCTGCTCTGTGTTGTAAGAACCCACTGCCACCC	1200
Db	1216	GAGGACCTTGAGGGGGACATGGAAGCTGCCCTGCTCTGTGTTGTAAGAACCCACTGCCACCC	1275
OY	1201	TGCAACCCAGGCTTCTTCAAAACAAACACACACCTCCAGGCCCTGGCCATATGGTTCC	1260
Db	1276	TGCAACCCAGGCTTCTTCAAAACAAACACACACCTCCAGGCCCTGGCCATATGGTTCC	1335
OY	1261	TACTCAATGGTCTGAGACTGTATACCCGCTGCCCTGACGGGACTGAACCTGCTGGGATTT	1320
Db	1336	TACTCAATGGTCTGAGACTGTATACCCGCTGCCCTGACGGGACTGAACCTGCTGGGATTT	1395
OY	1321	GAATCAAAATGGTGGAAACACCCTGGCCCAAAACATGGAAAGACCGTTTCCAGTGGATC	1380
Db	1396	GAATCAAAATGGTGGAAACACCCTGGCCCAAAACATGGAAAGACCGTTTCCAGTGGATC	1455
OY	1381	AACCTCGAGTACAAAGGCGATACAGAGCTGGGAGGTGGCTGGTATACATTTATACACAGT	1440
Db	1456	AACCTCGAGTACAAAGGCGCATACAGAGCTGGGAGGTGGCTGGTATACATTTATACACAGT	1515
OY	1441	GCTGAGAGCTCAGACAATGACTTATATGATTTCTACTCTGGTTGTGTCAGAGATTAGACT	1500
Db	1516	GCTGAGAGCTCAGACAATGACTTATATGATTTCTACTCTGGTTGTGTCAGAGATTAGACT	1575
OY	1501	CCGCAATCGGTGATGCGACAGACACAGAGAATTAAGAGGTGGCCAGAAATCAGATTGTTATT	1560
Db	1576	CCGCAATCGGTGATGCGAGACACAGAGAATTAAGAGGTGGCCAGAAATCAGATTGTTATT	1635
OY	1561	GAGACCCCTGTTTGTGAACTGTGAGACTGTGACTCTTACTTATGTTGGGTGTGAATTTAGAAC	1620
Db	1636	GAGACCCCTGTTTGTGAACTGTGAGACTGTGACTCTTACTTATGTTGGGTGTGAATTTAGAAC	1695
OY	1621	AACACTCTCTTGAGAGAGCTGGAAGGTTCCAAAGGCAAAACAGTCTATACCTCATCATTT	1680
Db	1696	AACACTCTCTTGAGAGAGCTGGAAGGTTCCAAAGGCAAAACAGTCTATACCTCATCATTT	1755
OY	1681	GAGAGAAACACTACACAGACTTCACCTGGGCGCTTCAGAGACCACTTTATGAGGCA	1740
Db	1756	GAGAGAAACACTACACAGACTTCACCTGGGCGCTTCAGAGACCACTTTATGAGGCA	1815
OY	1741	AGCAGGAAGTACACCAATGACGTTGGCAAGATCTTCCATCAATATTCACCATGTTATG	1800
Db	1816	AGCAGGAAGTACACCAATGACGTTGGCAAGATCTTCCATCAATATTCACCATGTTATG	1875
OY	1801	AATGGGTGGCCCTTACACTGACGCTGCCCTGTGCCCTTGAAGCCTCTGATGTGGCTCTCC	1860
Db	1876	AATGGGTGGCCCTTACACTGACGCTGCCCTGTGCCCTTGAAGCCTCTGATGTGGCTCTCC	1935
OY	1861	TGCACCTCTGTTCTGCTGCTGTTACTATATTTGACCGAGATTTCAGSAAACCTGGCACCTCCG	1920
Db	1936	TGCACCTCTGTTCTGCTGCTGTTACTATATTTGACCGAGATTTCAGSAAACCTGGCACCTCCG	1995
OY	1921	CCCCCTAACACAATTCTGAAGCCCAACAGCCTTATGGTGTCCAGGCCCTGTTGGCCTGT	1980
Db	1996	CCCCCTAACACAATTCTGAAGCCCAACAGCCTTATGGTGTCCAGGCCCTGTTGGCCTGT	2055
OY	1981	GGTCCAGGGACCAAAACAACAAGATTCACACTCTGTCTCAATGATTTGACACTTCTCA	2040
Db	2056	GGTCCAGGGACCAAAACAACAAGATTCACACTCTGTCTCAATGATTTGACACTTCTCA	2115
OY	2041	CGCAACACTCCAACAGGACTTTCAACTACACTTCTCCGTTTGGCAAAACCGCTCACT	2100
Db	2116	CGCAACACTCCAACAGGACTTTCAACTACACTTCTCCGTTTGGCAAAACCGCTCACT	2175
OY	2101	CTTGTGAGGGGCCAAGTCTCACTTCCAAAGGTTGAAATATCTTCCATCACTTTACCTC	2160
Db	2176	CTTGTGAGGGGCCAAGTCTCACTTCCAAAGGTTGAAATATCTTCCATCACTTTACCTC	2235
OY	2161	AGTCTCTGTGGAACACAGGATGAGAAATGTCTGTGCAACCGCATATGTCAGTCAGTC	2220
Db	2236	AGTCTCTGTGGAACACAGGATGAGAAATGTCTGTGCAACCGCATATGTCAGTCAGTC	2295

OY	2221	CGBATTCCGAGGGTGAACGACCAGGTCTTCACAATTTATCACGCCCTACTCTGCAGGCA	2280
Db	2296	CGBATTCTCGAAGGGTGAGTCAGAGGTTCTCCAATTAATCAGAGCCCTACGTCTGCAGGCA	2355
OY	2281	GTCATCATCCCCCGAAGGTGACAGAGCTACAAAGGCCGGGGTTTTCTCCACAGCCTGTAGC	2340
Db	2356	GTCATCATCCCCCGAAGGTGACAGAGCTACAAAGGCCGGGGTTTTCTCCAGCCTGTAGC	2415
OY	2341	CTTGCGTAGTCACTTAATTTGGGGTGACAACAAGATATGACTTGGATGGAAATCACTCCCA	2400
Db	2416	CTTGCGTAGTCACTTAATTTGGGGTGACAACAAGATATGACTTGGATGGAAATCACTCCCA	2475
OY	2401	GCTGAACCTTTTCCACCTGSACTCCCTGGGATPACCGGACGGATCTTTTAATAGTTC	2460
Db	2476	GCTGAACCTTTTCCACCTGSACTCCCTGGGATPACCGGACGGATCTTTTAATAGTTC	2535
OY	2461	AATGATGTGACCCCAGTCTCTGATTTCTGGAGATCAACAACACATCCGCTCAGGTGAGT	2520
Db	2536	AATGATGTGACCCCAGTCTCTGATTTCTGGAGATCAACAACACATCCGCTCAGGTGAGT	2595
OY	2521	CCACAGAAAACTGCCTCCGGGAAGTTTCTCTCTGACAGAAGCGTCTCAATGGGACCTGT	2580
Db	2596	CCACAGAAAACTGCCTCCGGGAAGTTTCTCTCTGACAGAAGCGTCTCAATGGGACCTGT	2655
OY	2581	GATGGCTGCACCTTCCACTTTCTGTGGAGAGGCGCGCTGCTTGGCCGCTCTCTCAGTg	2640
Db	2656	GATGGCTGCACCTTCCACTTTCTGTGGAGAGGCGCGCTGCTTGGCCGCTCTCTCAGTg	2715
OY	2641	GCTGACTACCAATGCTATGCTGCACAGAGCTGTGTGGCTGGGATCCAGAAACTACTTACGTg	2700
Db	2716	GCTGACTACCAATGCTATGCTGCACAGAGCTGTGTGGCTGGGATCCAGAAACTACTTACGTg	2775
OY	2701	TGGCGAGAACCCAAAGCTATGCTCTGTGGGACTTCTCTGCTGAGAGAGACACACATC	2760
Db	2776	TGMGAGAAACCCAAAGCTATGCTCTGTGGGACTTCTCTGCTGAGAGAGATCACATC	2835
OY	2761	TGCAAAAACCATATAATTCTGCGTGGAAGTGGGATCTTGCAGGCACTGTACTGCCATC	2820
Db	2836	TGCAAAAACCATATAATTCTGCGTGGAAGTGGGATCTTGCAGGCACTGTACTGCCATC	2895
OY	2821	CTGCTCAACGCTTTTGAACCTGCTACTTTTGGAAAAAGAAATCAAAMACTGAGTACAAAGTAC	2880
Db	2896	CTGCTCAACGCTTTTGAACCTGCTACTTTTGGAAAAAGAAATCAAAMACTGAGTACAAAGTAC	2955
OY	2881	TCCAACTGGTGATGAAATGACTCTCAAGAAGCTGTGACCTGCAGACGTGACAGCTGC	2940
Db	2956	TCCAACTGGTGATGAAATGACTCTCAAGAAGCTGTGACCTGCAGACGTGACAGCTGC	3015
OY	2941	GCCATCATGGAAGCGAGGATGTAGAGGAGCGACATCACTTTACAGAGAANA-TCACTC	2999
Db	3016	GCCATCATGGAAGCGAGGATGTAGAGGAGCGACATCACTTTACAGAGAANA-TCACTC	3075
OY	3000	TTTTGGAGAGTCAAAATCATTTACCTCCAAGAGGACTCTCTGATGGATTTGACTCAGTGCCG	3059
Db	3076	TTTTGGAGAGTCAAAATCATTTACCTCCAAGAGGACTCTCTGATGGATTTGACTCAGTGCCG	3135
OY	3060	CTGAAGACATCCTCGAGGAGGCCACAGATGGAAGCTGTAGAGGCACTGECTCACT	3119
Db	3136	CTGAAGACATCCTCGAGGAGGCCACAGATGGAAGCTGTAGAGGCACTGECTCACT	3195
OY	3120	GCCCTCCTACCTTGCATAGCACCTTTCGAACCTGTGGCGGACTTTGGGTGCAGAGATCTMG	3179
Db	3196	GCCCTCCTACCTTGCATAGCACCTTTCGAACCTGTGGCGGACTTTGGGTGCAGAGATCTMG	3255
OY	3180	CAACACCCACGTGCGGAATCTCTTCATGTGGCTTATCAGATGTTTGAATTYCAGATC	3239
Db	3256	CAACACCCACGTGCGGAATCTCTTCATGTGGCTTATCAGATGTTTGAATTYCAGATC	3315
OY	3240	TTTTTTTAAAGTACCAAAACCTCCTTTCTGTGGCCCAAAACCTGCCAAATATACCC	3299
Db	3316	TTTTTTTAAAGTACCAAAACCTCCTTTCTGTGGCCCAAAACCTGCCAAATATATACCC	3375
OY	3300	ACACTTGTGTGTAATTAATTAATAAAAAAAAAAAAAAAAA 3334	

OY	1501	CCGAGTCGGTGAATGGCAGACACAGAGAAATAAGAGTGGCCAGAAATCAATTTGCTCTT	1560
Db	1576	CCGAGATCGGTGAATGGCAGACACAGAGAAATAAGAGTGGCCAGAAATCAATTTGCTCTT	1633
OY	1561	GAGACCCCTCTTCTGTGTGAACCTGTGACCTTACTTCTATGTGGGTGTGAATCTTAGACAC	1620
Db	1636	GAGACCCCTCTTCTGTGTGAACCTGTGACCTTACTTCTATGTGGGTGTGAATCTTAGACAC	1699
OY	1621	AACACTCTGTGGAGAGCTGGAGAAAGTTCCAAAGGCAAAACAGTCCATATACCTACATCAAT	1680
Db	1696	AACACTCTGTGGAGAGCTGGAGAAAGTTCCAAAGGCAAAACAGTCCATATACCTACATCAAT	1755
OY	1661	GAGAGAACTACTACCAGACCTTCACTGGGGCTTCTCAGAGAACACACTTTTATATAGACA	1740
Db	1736	GAGAGAACTACTACCAGACCTTCACTGGGGCTTCTCAGAGAACCACTTTTATATAGACA	1815
OY	1741	AGCAGAGAGTACACCAATTGACGTGTGCCAATATCTATCCATCAATATGTCCAAATGTATG	1800
Db	1816	AGCAGAGAGTACACCAATTGACGTGTGCCAATATCTATCCATCAATATGTCCAAATGTATG	1875
OY	1801	AATGGCGTGGCTCTTACTACTGCGCTCCCTGTGCCCTAGAAAGCCTGTGATGTGGCTCTCC	1860
Db	1876	AATGGCGTGGCTCTCTACTGCGCGCTCCCTGTGCCCTAGAAAGCCTGTGATGTGGCTCTCC	1935
OY	1861	TGCACCTCTTGTCTCTGCTGGTACTATATGTAGCCAGATTCAGAGAACTGCACCTCCGCG	1920
Db	1936	TGCACCTCTTGTCTCTGCTGGTACTATATGTAGCCAGATTCAGAGAACTGCACCTCCGCG	1995
OY	1921	CCCCCTAACACAAATCTTGAAAGCCACACAGCCCTTATAGTGTCCAGGCCCTGTGCGCCTG	1980
Db	1996	CCCCCTAACACAAATCTTGAAAGCCACACAGCCCTTATAGTGTCCAGGCCCTGTGCGCCTG	2055
OY	1981	GGTCCAGGGACCAAGAACCAACAAGATCCACTCTGTGCTACAAATGATGTGACCTTCTCA	2040
Db	2056	GGTCCAGGGACCAAGAACCAACAAGATCCACTCTGTGCTACAAATGATGTGACCTTCTCA	2115
OY	2041	CGCAACACTCCACACAGACTTTCACATCACTACTCTCCGGCTTTGGCAAAACAGCTCACT	2100
Db	2116	CGCAACACTCCACACAGACTTTCACATCACTACTCTCCGGCTTTGGCAAAACAGCTCACT	2175
OY	2101	CTTGTGTGAGGGCCCAACCTTCACTCCAAAGGGTTGAATATCTGCATCACTATTCACCTG	2160
Db	2176	CTTGTGTGAGGGCCCAACCTTCACTCCAAAGGGTTGAATATCTGCATCACTATTCACCTG	2235
OY	2161	AGTCTCTGTGGAACCAAGGTTAGGAAAAATGTCTGTGTGACCGACGAATGTCACTGACCTC	2220
Db	2236	AGTCTCTGTGGAACCAAGGTTAGGAAAAATGTCTGTGTGACCGACGAATGTCACTGACCTC	2295
OY	2221	CGGATTCCTGAAGGTTAGTGAAGGTTCTCCAAATCTATACACAGCTTAGTCTGCCAGGCA	2280
Db	2296	CGGATTCCTGAAGGTTAGTGAAGGTTCTCCAAATCTATACACAGCTTAGTCTGCCAGGCA	2355
OY	2281	GTCATCAATCCCCCAGAGGTGACAGGGTCAAGAGGCCGGGGTTCCGACAGCTGTGACG	2340
Db	2356	GTCATCAATCCCCCAGAGGTGACAGGGTCAAGAGGCCGGGGTTCCGACAGCTGTGACG	2415
OY	2341	CTTGTGTGACTTATTTGGGGTGAACAACAGATATGACTCTGGATGGAATCACTCCCA	2400
Db	2416	CTTGTGTGACTTATTTGGGGTGAACAACAGATATGACTCTGGATGGAATCACTCCCA	2475
OY	2401	GCTGAACCTTTCACACGTGAGTCCCTTGGCAATACCGGAGCTGATCTTCTTTATAGTCC	2460
Db	2476	GCTGAACCTTTCACACGTGAGTCCCTTGGCAATACCGGAGCTGATCTTCTTTATAGTCC	2535
OY	2461	AATGATGTGACCCAGTCTCTGAGTCTTGGAGATCAACACCATCCGGCTCAGGTGACGT	2520
Db	2536	AATGATGTGACCCAGTCTCTGAGTCTTGGAGATCAACACCATCCGGCTCAGGTGACGT	2595
OY	2521	CCACAGAAAATGTGCCCTGTGGAAGTTTGTGTGTCGCCAGGAAGTGTCAAGATGTGGACCTGT	2580
Db	2596	CCACAGAAAATGTGCCCTGTGGAAGTTTGTGTGTCGCCAGGAAGTGTGTCAAGATGTGGACCTGT	2655

[illegible]

```

? RESULT 13
? US-09-925-299-209
? Sequence 209, Application US/09925299
? Publication No. US20030040617A9
? GENERAL INFORMATION:
? APPLICANT: Rosen et al.
? TITLE OF INVENTION: Nucleic acids, Proteins and Antibodies
? FILE REFERENCE: PA102
? CURRENT APPLICATION NUMBER: US/09/925,299
? CURRENT FILING DATE: 2001-08-10
? PRIOR APPLICATION NUMBER: PCT/US00/05883
? PRIOR FILING DATE: 2000-03-08
? PRIOR APPLICATION NUMBER: 60/124,270
? PRIOR FILING DATE: 1999-03-12
? NUMBER OF SEQ ID NOS: 1556
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 209
? LENGTH: 625
? TYPE: DNA
? ORGANISM: Homo sapiens

```

```

FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (10)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (25)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (26)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (600)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-299-209

```

```

Query Match          16.5%: Score 551; DB 9: Length 625;
Best Local Similarity 97.1%: Pred. No. 1.2e-153;
Matches 596: Conservative 5; Mismatches 8; Indels 5; Gaps 4;

```

```

OY 2050 CCACGAGAGCTTTCACCTACCTTCCTCCGCTTT-6GCAACACCGCTCCTCTGCTG 2108
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 15 CCACCTTCANNTTCACTACACTTCCTCCGCTTTGGGCAACACGCTCCTGCTG 74
OY 2109 AGGCCCAAGCTTCACTTCCAAAGGTTGAATATCTTCCATCCTTACCCTCAGTCTG 2168
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 75 AGG--CAAGCTTCA--TTCCAAAGGTTGAATATCTTCCATCCTTACCCTCAGTCTG 131
OY 2169 TGGAAACGAGGTTGAGGAAATGTCTGTGACGACGACATGACATGACCTCCGATTC 2228
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 132 TGGAAACGAGGTTGAGGAAATGTCTGTGACGACGACATGACATGACCTCCGATTC 191
OY 2229 TGAAGGTGAGTCAAGGTTCTCCAAATCTATCAACGCTACGCTCCAGGAGTCATCAT 2288
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 192 TGAAGGTGAGTCAAGGTTCTCCAAATCTATCAACGCTACGCTCCAGGAGTCATCAT 251
OY 2289 CCCCCAGAGGTACAGGTTACAAAGCCGGGTTTCTCAGGCTGACGCTTGCTG 2348
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 252 CCCCCAGAGGTACAGGTTACAAAGCCGGGTTTCTCAGGCTGACGCTTGCTG 311
OY 2349 TCGACTTATTTGGGTTGACAAAGATATGACTCTGATGAGATACCTCCAGCTGAAT 2408
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 312 TCGACTTATTTGGGTTGACAAAGATATGACTCTGATGAGATACCTCCAGCTGAAT 371
OY 2409 TTTCCACTGAGAGCTCTTGGAATACCGAGAGTATCTTTTATAGTCCATGATGT 2468
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 372 TTTCCACTGAGAGCTCTTGGAATACCGAGAGTATCTTTTATAGTCCATGATGT 431
OY 2469 GACCCAGTCTGAGTTCTGAGGATCAACCAACATCCGCTCAGGTGACGACAGAA 2528
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 432 GACCCAGTCTGAGTTCTGAGGATCAACCAACATCCGCTCAGGTGACGACAGAA 491
OY 2529 AACTGTCCCTGGAAGTTTCTGCTGACAGAAAGTCTGATGAGGAGCTGTGATGCTG 2588
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 492 AACTGTCCCTGGAAGTTTCTGCTGACAGAAAGTCTGATGAGGAGCTGTGATGCTG 551
OY 2589 CAATCTCAGCTCTGTTGGAGAGCCGCTGTTCCGCTCTGCTCAGTGGCTGACTA 2648
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 552 CAATCTCAGCTCTGTTGGAGAAAG-SSSTGTTGCCGCTGCTCANTGAGTGCATCA 610
OY 2649 CCATGCTATGCTCA 2662
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 611 CCATGCTATGCTCA 624

```

```

RESULT 14
US-09-925-299-209
; Sequence 209, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.

```

```

TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA102
CURRENT APPLICATION NUMBER: US/09/925,299
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05883
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: Patentl Ver. 2.0
SEQ ID NO 209
LENGTH: 625
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (10)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (25)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (26)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (600)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-299-209

```

```

Query Match          16.5%: Score 551; DB 10: Length 625;
Best Local Similarity 97.1%: Pred. No. 1.2e-153;
Matches 596: Conservative 5; Mismatches 8; Indels 5; Gaps 4;

```

```

OY 2050 CCACGAGAGCTTTCACCTACCTTCCTCCGCTTT-6GCAACACCGCTCCTCTGCTG 2108
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 15 CCACCTTCANNTTCACTACACTTCCTCCGCTTTGGGCAACACGCTCCTGCTG 74
OY 2109 AGGCCCAAGCTTCACTTCCAAAGGTTGAATATCTTCCATCCTTACCCTCAGTCTG 2168
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 75 AGG--CAAGCTTCA--TTCCAAAGGTTGAATATCTTCCATCCTTACCCTCAGTCTG 131
OY 2169 TGGAAACGAGGTTGAGGAAATGTCTGTGACGACGACATGCTCAGTCCGATTC 2228
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 252 CCCCCAGAGGTACAGGTTACAAAGCCGGGTTTCTCAGGCTGACGCTTGCTG 311
OY 2349 TCGACTTATTTGGGTTGACAAAGATATGACTCTGATGAGATACCTCCAGCTGAAT 2408
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 312 TCGACTTATTTGGGTTGACAAAGATATGACTCTGATGAGATACCTCCAGCTGAAT 371
OY 2409 TTTCCACTGAGAGCTCTTGGAATACCGAGAGTATCTTTTATAGTCCATGATGT 2468
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 372 TTTCCACTGAGAGCTCTTGGAATACCGAGAGTATCTTTTATAGTCCATGATGT 431
OY 2469 GACCCAGTCTGAGTTCTGAGGATCAACCAACATCCGCTCAGGTGACGACAGAA 2528
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 432 GACCCAGTCTGAGTTCTGAGGATCAACCAACATCCGCTCAGGTGACGACAGAA 491
OY 2529 AACTGTCCCTGGAAGTTTCTGCTGACAGAAAGTCTGATGAGGAGCTGTGATGCTG 2588
      ||||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 492 AACTGTCCCTGGAAGTTTCTGCTGACAGAAAGTCTGATGAGGAGCTGTGATGCTG 551
OY 2589 CAATCTCAGCTCTGTTGGAGAGCCGCTGTTCCGCTCTGCTCANTGAGTGCATCA 2648

```

Db 552 CAAGTCCCTTCCTGGGAAAAAG-SGSGSTTGCCCGCTCTGCTCANTGGCTACTA 610
 Oy 2649 CCATGCTATGCTCA 2662
 Db 611 CCATGCTATGCTCA 624

RESULT 15

US-10-002-050-19
 : Sequence 19, Application US/10002050
 : Publication No. US20030032095A1
 : GENERAL INFORMATION:
 : APPLICANT: Shimkets, Richard
 : APPLICANT: Fernandes, Elma
 : APPLICANT: Vernet, Corine
 : APPLICANT: Yang, Meijia
 : APPLICANT: Boldog, Ferenc
 : APPLICANT: Herrmann, John
 : TITLE OF INVENTION: No. US20030032095A1el Nucleic Acid Sequences Encoding Human Sema5
 : FILE REFERENCE: 15966-554 Cura-54 CON-514
 : CURRENT APPLICATION NUMBER: US/10/002,050
 : PRIOR FILING DATE: 2001-11-02
 : PRIOR APPLICATION NUMBER: 09/604,286
 : PRIOR FILING DATE: 2000-06-22
 : PRIOR APPLICATION NUMBER: 60/140,584
 : PRIOR FILING DATE: 1999-06-23
 : NUMBER OF SEQ ID NOS: 49
 : SOFTWARE: PatentIn Ver. 2.40
 : SEQ ID NO 19
 : LENGTH: 1737
 : TYPE: DNA
 : ORGANISM: Homo sapiens
 : FEATURE:
 : NAME/KEY: CDS
 : LOCATION: (296)..(1687)
 : NAME/KEY: variation
 : LOCATION: (1)..(1737)
 : OTHER INFORMATION: N may be any nucleotide
 US-10-002-050-19

Query Match 16.1%; Score 537.6; DB 9; Length 1737;

Best Local Similarity 62.0%; P-Id No. 2.3e-149; Mismatches 569; Indels 18; Gaps 6;

Db 214 GAGTACACATAGTATGATACAGCGCGGTGATGACAGACGGGTTGAGGAGGAGGCGCGG 273
 Oy 146 GATTATGCTTTGATATATAGGAATGTATGATGACAGTGGCTCCAGGTGAGAGATTGCCATT 205
 Db 274 CCGCATACCCGGGCGCTGTGACACAGCTGCTGACCCGTCAGAGGCGACGAGTCTCC 333
 Oy 206 CCAATTCTGAGTGAAGTCTGCTGCGCTGCTGACCCAGTGAAGAGGCAAAAGATGCAT 265
 Db 334 TTTCCTGCAACGGCGGGGAGTTCTGATATGAAGACAGCTCATGTAAACCATGCGCT 393
 Oy 266 TTTCCTGCTGCTTTGAGAGATATAGAAATGAAGAACCGATGATGAGTGAAGTGTGT 325
 Db 394 GAGGCGCGTACTCTCTGCGACAGCATTTGGTTTGTATGATGAGTGGAGTGGAGTCCCAT 453
 Oy 326 GAAAGACACTATTCCTTGGGAGTGGCATCAAAATTTGATGATGATGATGATGATGATG 385
 Db 454 GGCCTTGGCAGCTCTGACCCACATGAGCTGATGACAGTGTCTGCTGAGTCA---CC 510
 Oy 386 GGATTTCTTAACATCGAACATTCATGTGACACTGTGTGGGCGCTTGTGACAGAGGCA 445
 Db 511 GGAAGTCTACTGCTCAAGTGGTCCCGGGGCGAGTCAATCGCTTAAACAGGAC 570
 Oy 446 GAGGCTGTAAACACTCTTTCTTGGATCCCTGCTGGAACCTAGATGAATCTTAATCGTAT 505
 Db 571 GAATGACAGGACACATGATGATGACGCGTCAACCTGAGAGCAATCTGGACCGTTAACTTC 630
 Oy 506 GACTGCAAGGGTCTTGTATGCTATGCTGTGACCTTAAAGAGTGAAGCTATGCTTTCTTT 565

Oy 631 GAATACTACTATCCAGACTCCAGCATCATCTTTGAGTTTTCGTCAGATGACAGTGC 690
 Db 566 GAGTACAGATGTGCAACAACATCTCTTGAATCTTTTAAATATGATGATGTCG 625
 Oy 691 CAGCCCAATGCAATGATGCTC---CAGGTGATGATGACACAGAGAGA---AGATGGAA 744
 Db 626 CAGGAGATGAGACCCACACAGTGAAGTGGTAACTTACAGACATGAGATGGGCG 685
 Oy 745 TTCCACAGTGTGAGCTTAATGAGGCAATTAATGCTCTATTTGAGGAACAGCTTC 804
 Db 686 TCTCATTTCTGTATGCTGTAATCAGGACAAACATCTCTACTGGAATCTACAGGCTATC 745
 Oy 805 TCAGTATGAGCAAAAGTATACCAAGCCTGTGCTGTGAGAAACATTTGCCATTAACAGGCTG 864
 Db 746 CTTATGCTTTAAAGCGCGGTCAAGCTGTGTGTAAATAATATCAATTTGAAGGGGTG 805
 Oy 865 GCTTACCTTTCAGATGCTTCCCTGCAACCTGGCAGCTATGACAGACAGAGGCTCC 924
 Db 806 GGTACACATTCAGAAATGTTTCTTGTCAAGGCGACATTCAGCAAAACAGGCTTCA 865
 Oy 925 TCTTTCTGCAACTTTGCCAGCACTCTTAATTAATAAAGGAACCTCTTGGCCAC 984
 Db 866 TTCACTGCGCAGGTGTCTCCAGAAACCTTATCTGAGAAAGAGCCAAAGATGTATA 925
 Oy 985 CAGTGTGACCTTGACA---AATACCTGAGAAAGAGATCTTCTGTAACGTGGCCCA 1041
 Db 926 AGCTGTAAGAGAGACTCTCAATTTTCAAGAGAGATTCAGTGTACAGAGGCGCT 985
 Oy 1042 GCTTGACAGACAAAGATTTATTTTACACACACAGGCTGCGATGACAGAGAGACA 1101
 Db 986 CCTGTACACAAAAGACTATTTTCCAGATCCATCTCCATGTGATGAGAAAGAGACA 1045
 Oy 1102 CAATCTATGATCAAAATGGGCGCAAGCGAAATCTGTAGAGAGACTTGAGGGGCGAG 1161
 Db 1046 CAGATATGTATCAAGTGCATGATAGCCCAAAATCTCCGAGAGATCTCACAGATGCTATT 1105
 Oy 1162 AAGTGCCTGCTGCTGTGTGTAAGACCACTGCCACCTGCAACCGCTCTTTCAAA 1221
 Db 1106 AGATTGCCCTTTCTGAGAGAAAGATGTGCGGCTGTGCAACCTGGATTTTATATAC 1165
 Oy 1222 ACCAACACAGACCTGCGACGCTGCCATATGTGTTCTTACTCCAAATG---CTCAGAC 1278
 Db 1166 AATGATCATCTTCTTGGCATCCCTGCTGCGTGAACATTTTCAGATGGAACCAAGAA 1225
 Oy 1279 TGTACCGGCGCTGCGAGGAGTGAACCTGCTGTGGGATTTGATTAATAATGGTGAAC 1338
 Db 1226 TGTATACCATGTGCGACGAGAACGAGCTGCTGCTTTGATTAATAATGGTGAAT 1285
 Oy 1339 ACGTGCACCAAAACATGGAACGACCGTTCACGTGGGATCACTTGAGTACAAAGGC 1398
 Db 1286 GTCTTCTTGGAACATGAAACCTTCTGCTTATGTTGGAATTTCAAAAGTGGCATGGA 1345
 Oy 1399 ATGACAGCTGAGAGGTGGCTGTGATCATTTACACAGCTGCTGGAGCTCAGACAT 1458
 Db 1346 ATGATGTTGGAGAGTGGCTGAGATCATATCAAGATGGGCGTGGAGTCTGTACAT 1405
 Oy 1459 GACTTCAATGATTCACATCTGTTGTGCGAGATTTTAACCTCCGACATCGCTGTGCA 1518
 Db 1406 GATTATCTGATCTTAACCTTGATATCCAGATTTAAACACCAACATCTATGACTGGA 1465
 Oy 1519 GACACAGAGAAATAAGAGGTGGCAGAAATCAATTTGCTTTGAGACCTCTGTTCTGTG 1578
 Db 1466 GCCAC---GGTCTGCAACTAGGAATTAACATTTGCTTTGAGACCTCTGTTCACT 1522
 Oy 1579 AAGTGTGAGCTCTAATGATGAGTGGTGTGATTTCTAGACCAACATCTCTGTGAGAG 1638
 Db 1573 GACTGTGTTTGTACTTATGATGATGATTAATGAAAAATACAAATGTGTGAAATCG 1582
 Oy 1639 TGAAGAGTTCCAAAGGCAAGCTCTATACATCAATCTTGAAGAGCAACATCAACG 1698
 Db 1583 TGGGGTGAACCAAAAGAAACAGCTTACACCATATCATCTTCMAAGATGCAACTTTT 1642
 Oy 1699 AGCTTCACTGTGGGCTTCCAGAGAGACCACTTTTCAATGAGGCAAG 1742

Wed Mar 12 10:08:32 2003

us-10-046-433-39.rnpb

Page 27

DB 1643 ACATTTCATGCGGCGCATTCGCCAGAGAACTAATTTCAGGGTCCAG 1686

Search completed: March 11, 2003, 09:48:41
Job time : 169 secs

